Product Datasheet

S100A7/Psoriasin Antibody (47C1068)
NB100-56559

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

Reviews: 1  Publications: 44

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-56559

Updated 8/22/2018 v.20.1

Earn rewards for product reviews and publications.
Submit a publication at www.novusbio.com/publications
Submit a review at www.novusbio.com/reviews/destination/NB100-56559
**Product Information**

<table>
<thead>
<tr>
<th><strong>Unit Size</strong></th>
<th>0.1 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concentration</strong></td>
<td>1.0 mg/ml</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Monoclonal</td>
</tr>
<tr>
<td><strong>Clone</strong></td>
<td>47C1068</td>
</tr>
<tr>
<td><strong>Preservative</strong></td>
<td>0.05% Sodium Azide</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG1 Kappa</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>Protein G purified</td>
</tr>
<tr>
<td><strong>Buffer</strong></td>
<td>PBS</td>
</tr>
</tbody>
</table>

**Product Description**

| **Host** | Mouse |
| **Gene ID** | 6278 |
| **Gene Symbol** | S100A7 |
| **Species** | Human |
| **Specificity/Sensitivity** | In confluent MCF10A cells, an 11 kDa band is observed. |
| **Immunogen** | This antibody was developed against recombinant psoriasin/HID-5 protein. |

**Product Application Details**

| **Applications** | Western Blot, Simple Western, Flow (Intracellular), Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation |
| **Recommended Dilutions** | Western Blot 1-3 ug/ml, Simple Western 1:500, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Flow (Intracellular) |
| **Application Notes** | Use in immunoprecipitation reported in scientific literature (PMID 26225121). In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue. |

**Images**

Western Blot: S100A7/Psoriasin Antibody (47C1068) [NB100-56559] - Analysis using Azide Free version of NB100-56559. Psoriasin in A) MCF10A and B) MCF7 cell lysate using psoriasin antibody at 1 ug/ml.
Immunocytochemistry/Immunofluorescence: S100A7/Psoriasin Antibody (47C1068) [NB100-56559] - S100A7/psoriasin detection was performed on (A) untreated and (B) LPS-treated (100 ng/ml, 21 hrs) HOPE-fixed NCI-H727 cells using the monoclonal Psoriasin/HID5/S100A7 antibody (NB100-56559). (C) Positive control is shown by the expression of the nuclear Ki67 antigen with the MIB-1 (2 ug/ml) antibody. (D) Negative control was included omitting the primary antibody.


Flow (Intracellular): S100A7/Psoriasin Antibody (47C1068) [NB100-56559] - An intracellular stain was performed on Jurkat cells with S100A7/Psoriasin antibody (47C1068) NBP2-24911PE (blue) and a matched isotype control NBP2-27287PE (orange). Cells were fixed with 4% PFA and then permeablized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to phycoerythrin.

Immunohistochemistry-Paraffin: S100A7/Psoriasin Antibody (47C1068) [NB100-56559] - Analysis of formalin-fixed paraffin-embedded tissue section of human esophageal squamous cell carcinoma (SCC) using 5 ug/ml concentration of Psoriasin/S100A7 antibody (clone 47C1068). Diffused to granular cytoplasmic immunostaining was observed all over the tissue section with highest expression levels in the areas with cancer cells especially in the developing squamous keratin pearls.

Immunohistochemistry-Paraffin: S100A7/Psoriasin Antibody (47C1068) [NB100-56559] - Analysis of formalin-fixed paraffin-embedded tissue section of human lymph node cancer using 5 ug/ml concentration of Psoriasin/S100A7 antibody (clone 47C1068). Very strong cytoplasmic immunopositivity of Psoriasin/S100A7 protein was observed in the cancer cells.

Simple Western: S100A7/Psoriasin Antibody (47C1068) [NB100-56559] - Simple Western lane view shows a specific band for S100A7/Psoriasin in 0.5 mg/ml of MCF-7 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.

Simple Western: S100A7/Psoriasin Antibody (47C1068) [NB100-56559] - Analysis using Azide Free version of NB100-56559. Simple Western lane view shows a specific band for Psoriasin/S100A7 in 0.05 mg/ml of MCF-7 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.
Publications


Details:
Citation using the Azide Free form of this antibody.

Tian T, Li X, Hua Z et al. S100A7 promotes the migration, invasion and metastasis of human cervical cancer cells through epithelial-mesenchymal transition. Oncotarget Apr 11 2017 12:00AM [PMID: 28212564] (IHC-P, Human)


Details:
S100A7/Psoriasin antibody (clone 47C1068) was used for WB assays in experiments involving HaCaT/keratinocyte cells which were treated or not with curcumin (Fig 1C).


Details:
S100A7/Psoriasin antibody was used for WB, IP and IHC-P assays in experiments involving orthotopic tumors model and in-vitro cultures of TU167, JMAR, JMARC39, JMARC42 and MDA-MB-468 human cancer cell lines. WB was performed on lysates of attached/detached assay cell lysates of TU167 and JMAR cells (1A, 3a & b), and saliva as well as norma or tumorous tissues from human head and neck cancer patients (Fig 2B, 3b & c). WB was also performed on lysates of JMAR cells transfected with S100A7 - siRNA (Fig. 4) as well as lysates of TU167 cells with vector and S100A7 expression stable clones (Fig 5A). S100A7 IP was performed on conditioned medium from TU167 and JMAR cells (Fig 3B). ICC-IF was performed on JMAR detached cells (Fig 1b) as well as TU167 cells with vector and S100A7 expression stable clones (Fig 5c). IHC-P was performed on tumor sections of mice subjected to orthotopic injection of TU167 and JMAR cell lines (Fig 1e) or TU167 cells with vector and S100A7 expression stable clones (Fig. 6c), and on tissues from normal or head and neck cancer patients (Fig 2a).


Rabeony Hanitriniaina, Petit-Paris Isabelle, Garnier Julien et al. Inhibition of keratinocyte differentiation by the synergistic effect of IL-17A, IL-22, IL-1alpha, TNFalpha and oncostatin M. PLoS One. 2014 [PMID: 25010647] (IHC)


de Castro Alice, Minty Fay, Hattinger Eva et al. The secreted protein S100A7 (psoriasin) is induced by telomere dysfunction in human keratinocytes independently of a DNA damage response and cell cycle regulators. Longev Healthspan. 2014 [PMID: 25621169] (WB, Human)

More publications at http://www.novusbio.com/NB100-56559
Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB100-56559

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications