Product Datasheet

PML Protein Antibody
NB100-59787

Unit Size: 0.1 ml
Store at 4C. Do not freeze.

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Updated 5/11/2020 v.20.1

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<table>
<thead>
<tr>
<th>Product Information</th>
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<tbody>
<tr>
<td>Unit Size</td>
<td>0.1 ml</td>
</tr>
<tr>
<td>Concentration</td>
<td>1.0 mg/ml</td>
</tr>
<tr>
<td>Storage</td>
<td>Store at 4C. Do not freeze.</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Preservative</td>
<td>0.02% Sodium Azide</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG</td>
</tr>
<tr>
<td>Purity</td>
<td>Immunogen affinity purified</td>
</tr>
<tr>
<td>Buffer</td>
<td>PBS</td>
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<table>
<thead>
<tr>
<th>Product Description</th>
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<tbody>
<tr>
<td>Host</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Gene ID</td>
<td>5371</td>
</tr>
<tr>
<td>Gene Symbol</td>
<td>PML</td>
</tr>
<tr>
<td>Species</td>
<td>Human, Mouse</td>
</tr>
<tr>
<td>Reactivity Notes</td>
<td>Based on 100% sequence identity, this antibody is predicted to react with Orangutan, Gorilla, Chimpanzee, Primates, White-tufted-ear marmoset, Pygmy chimpanzee and Bornean orangutan. Mouse reactivity reported in scientific literature (PMID: 21343252)</td>
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<tr>
<td>Immunogen</td>
<td>The immunogen recognized by this antibody maps to a region between residue 375 and 425 of promyelocytic leukemia using the numbering given in entry NP_150241.2</td>
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<table>
<thead>
<tr>
<th>Product Application Details</th>
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<tbody>
<tr>
<td>Applications</td>
<td>Western Blot, Flow Cytometry, Immunoblotting, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Proximity Ligation Assay, Knockdown Validated</td>
</tr>
<tr>
<td>Application Notes</td>
<td>Immunohistochemistry 1:200 to 1:1,000. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. Use in Immunoblotting reported in scientific literature (PMID 28239645). Knockdown and Flow Cytometry validation (PMID: 28402725).</td>
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</table>
Western Blot: PML Protein Antibody [NB100-59787] - Detection of Human PML on HeLa whole cell lysate using NB100-59787. PML was also immunoprecipitated by rabbit anti-PML antibodies NB100-59788 and another CDC16/APC6 Ab.

Immunohistochemistry-Paraffin: PML Protein Antibody [NB100-59787] - IHC analysis of a formalin fixed and paraffin embedded tissue section of human stomach using 1:50 dilution of PML antibody. The signal was developed using HRP-labeled secondary with DAB reagent followed by hematoxylin counterstaining. This antibody generated an expected strong nuclear staining in most of the cells in the glandular as well as the connective tissue. The cells showed some cytoplasmic signal also which was much weaker than the nuclear staining.

Immunohistochemistry-Paraffin: PML Protein Antibody [NB100-59787] - FFPE section of human breast carcinoma. Affinity purified rabbit anti-PML used at a dilution of 1:500

Immunohistochemistry: PML Protein Antibody [NB100-59787] - Sample: FFPE section of human prostate carcinoma. Antibody: Affinity purified rabbit anti-PML used at a dilution of 1:1,000 (0.2ug/ml). Detection: DAB
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<tr>
<th>Proximity Ligation Assay: PML Protein Antibody [NB100-59787] - Secondary-conjugate Duolink II PLA in Hela cells. goat anti-human SMARCA4 (NBP2-22234) and rabbit anti-human PML (NB100-59787). Image merged from DAPI (2ms) and Texas Red (200ms) exposures, 40X magnification.</th>
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<tr>
<td>Proximity Ligation Assay: PML Protein Antibody [NB100-59787] - Secondary-conjugate Duolink II PLA in Hela cells. goat anti-human HP1-beta (NB100-79774) and rabbit anti-human PML (NB100-59787). Image merged from DAPI (2ms) and Texas Red (200ms) exposures, 40X magnification.</td>
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<tr>
<td>Proximity Ligation Assay: PML Protein Antibody [NB100-59787] - Secondary-conjugate Duolink II PLA in Hela cells. goat anti-human RFC4 (NB100-233) and rabbit anti-human PML (NB100-59787). Image merged from DAPI (2ms) and Texas Red (200ms) exposures, 40X magnification.</td>
</tr>
<tr>
<td>Publications</td>
</tr>
<tr>
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<tr>
<td>Freudenberger N. Role of minor core protein V during productive infection with human adenovirus type 5 and the proteins relevance to oncogenic transformation processes Thesis 2017 (ICC/IF, Human)</td>
</tr>
<tr>
<td>Lee AK, Smart JL, Rubinstein M et al. Reciprocal regulation of TREK-1 channels by arachidonic acid and CRH in mouse corticotropes. Endocrinology 2011 May [PMID: 21343252] (Mouse)</td>
</tr>
<tr>
<td>Wimmer P, Schreiner S, Everett RD et al. SUMO modification of E1B-55K oncoprotein regulates isoform-specific binding to the tumour suppressor protein PML. Oncogene 2010 Oct 7 [PMID: 20639899]</td>
</tr>
<tr>
<td>Chen HY, Hu JY, Chen TH et al. KLHL39 suppresses colon cancer metastasis by blocking KLHL20-mediated PML and DAPK ubiquitination Oncogene. 2015 Jan 26 [PMID: 25619834] (WB)</td>
</tr>
</tbody>
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More publications at [http://www.novusbio.com/NB100-59787](http://www.novusbio.com/NB100-59787)
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

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Products Related to NB100-59787

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<tr>
<th>Product Code</th>
<th>Description</th>
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<tr>
<td>HAF008</td>
<td>Goat anti-Rabbit IgG Secondary Antibody [HRP (Horseradish Peroxidase)]</td>
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<tr>
<td>NB7156</td>
<td>Goat anti-Rabbit IgG (H+L) Secondary Antibody</td>
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<tr>
<td>NBP2-24891</td>
<td>Rabbit IgG Isotype Control</td>
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<tr>
<td>H00005371-Q01-10ug</td>
<td>Recombinant Human PML Protein Protein</td>
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