

Product Datasheet

c-Maf Antibody - BSA Free

NBP2-24551

Unit Size: 0.1 mg

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

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NBP2-24551

c-Maf Antibody - BSA Free

Product Information

Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description

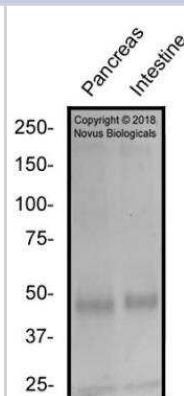
Host	Rabbit
Gene ID	4094
Gene Symbol	MAF
Species	Human, Mouse, Rat, Bovine
Reactivity Notes	Chimpanzee (87%), Bovine, Equine (81%).
Specificity/Sensitivity	100% homologous in human isoforms CRA_a, CRA_b, and CRA_c).
Immunogen	A synthetic peptide corresponding to amino acids 75-110 of human c-maf was used as the immunogen, GenBank no. NP_001026974.1 .

Product Application Details

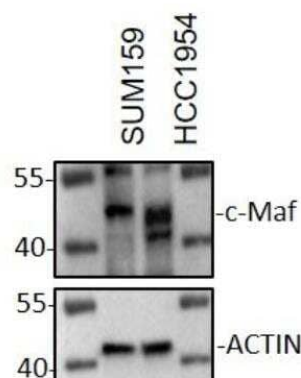
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 2-4 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 1-2 ug/ml

Images

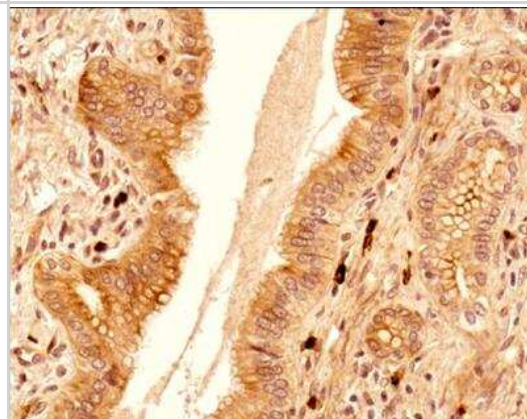
Western Blot: c-Maf Antibody [NBP2-24551] - Total protein from Human Pancreas and Human Small Intestine was separated on a 7.5% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2.0 ug/ml anti-cMaf in 1% block buffer and detected with an anti-rabbit HRP secondary antibody using chemiluminescence.



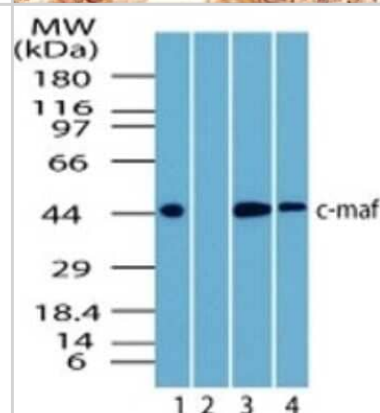
Western Blot: c-Maf Antibody [NBP2-24551] - SUM159 and HCC1954 whole cell lysates were loaded with 50 ug/lane. 10% SDS-PAGE. c-Maf Antibody (NBP2-24551) was used for primary antibody: 1:500, 4C, overnight. WB image submitted by a verified customer review.



Immunohistochemistry-Paraffin: c-Maf Antibody [NBP2-24551] - IHC analysis of a formalin fixed paraffin embedded (FFPE) tissue section of human liver cancer using c-MAF antibody at 2ug/ml concentration (1:500 dilution). The primary antibody binding to c-MAF protein was detected using HRP conjugated anti-rabbit secondary antibody with DAB reagent, and the sections were further counterstained with hematoxylin for labeling cellular nuclei. This c-MAF antibody showed a very strong nuclear and moderate to strong staining in the endothelial cells (blood vessels) and in a subset of apparently infiltrating inflammatory cells. Weak to moderate cytoplasmic and nuclear staining was observed in liver cancer cells and the cells of tumor stroma including fibroblasts.



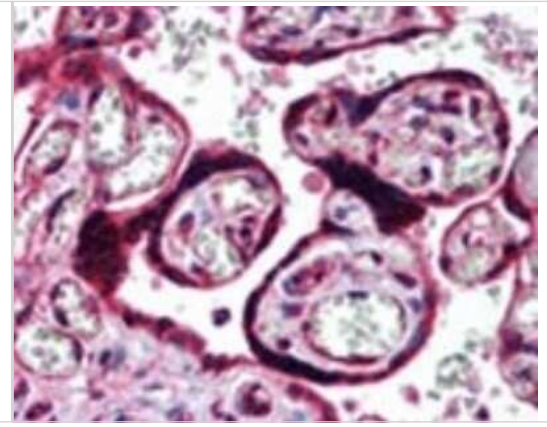
Western Blot: c-Maf Antibody [NBP2-24551] - Analysis of Lysate from human brain in the 1) absence, 2) presence of immunizing peptide, 3) mouse brain and 4) rat brain probed at 3 ug/ml.



Immunohistochemistry-Paraffin: c-Maf Antibody [NBP2-24551] - Staining of Human kidney probed with c-maf antibody at 10 ug/ml.



Immunohistochemistry-Paraffin: c-Maf Antibody [NBP2-24551] - Staining of Human placenta probed with c-maf antibody at 10 ug/ml.



Publications

Aoki H, Ogino H, Tomita H et al. Disruption of Rest Leads to the Early Onset of Cataracts with the Aberrant Terminal Differentiation of Lens Fiber Cells. PLoS ONE. 2016-09-16 [PMID: 27631609] (IF/IHC, Mouse)

Hansen A, Henderson S, Lagos D et al. KSHV-encoded miRNAs target MAF to induce endothelial cell reprogramming. Genes Dev. 2010-01-15 [PMID: 20080955] (WB, Human)

Details:

WB (Primary human lymphatic epithelial cells): Figs 3C, 4C, 6B.

Procedures

Western Blot Protocol for c-Maf Antibody (NBP2-24551)

Western Blot Protocol

1. Perform SDS-PAGE on samples to be analyzed, loading 10-25 ug of total protein per lane.
2. Transfer proteins to PVDF membrane according to the instructions provided by the manufacturer of the membrane and transfer apparatus.
3. Stain the membrane with Ponceau S (or similar product) to assess transfer success, and mark molecular weight standards where appropriate.
4. Rinse the blot TBS -0.05% Tween 20 (TBST).
5. Block the membrane in 5% Non-fat milk in TBST (blocking buffer) for at least 1 hour.
6. Wash the membrane in TBST three times for 10 minutes each.
7. Dilute primary antibody in blocking buffer and incubate overnight at 4C with gentle rocking.
8. Wash the membrane in TBST three times for 10 minutes each.
9. Incubate the membrane in diluted HRP conjugated secondary antibody in blocking buffer (as per manufacturer's instructions) for 1 hour at room temperature.
10. Wash the blot in TBST three times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturer's instructions.





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Products Related to NBP2-24551

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-24551PEP	c-Maf Antibody Blocking Peptide

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.

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