

Product Datasheet

SCF/c-kit Ligand Antibody - BSA Free NBP1-77030

Unit Size: 0.1 mg

Store at 4C.

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NBP1-77030

SCF/c-kit Ligand Antibody - BSA Free

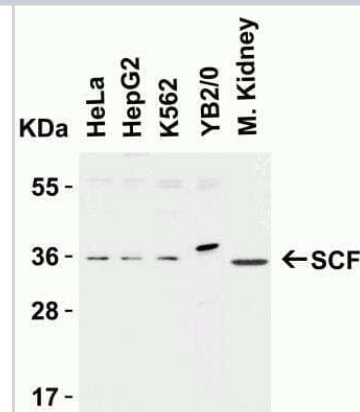
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	31 kDa

Product Description	
Host	Rabbit
Gene ID	4254
Gene Symbol	KITLG
Species	Human, Mouse, Rat
Specificity/Sensitivity	Human SCF/c-kit Ligand has 3 isoforms, including isoform 1 (273aa, 30.9kD), isoform 2 (245aa, 27.9kD) and isoform 3 (238aa, 26.7kD). Mouse SCF/c-kit Ligand has 2 isoforms, including isoform 1 (273aa, 30.6kD) and isoform 2 (245aa, 27.6kD). Rat SCF/c-kit Ligand also has 2 isoforms, including isoform 1 (273aa, 30.7kD) and isoform 2 (245aa, 27.7kD). NBP1-77030 can detect human and possibly detect mouse and rat.
Immunogen	Antibody was raised against a peptide corresponding to 18 amino acids near the center of human SCF/c-kit Ligand. The immunogen is located within amino acids 100-150 of SCF/c-kit Ligand. Amino Acid Sequence: KENSSKDLKKSFKSPEPR

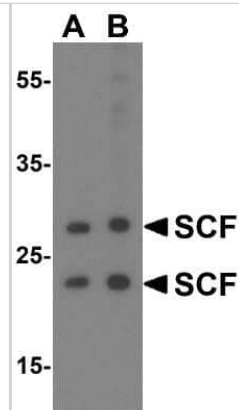
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1-2 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 2.5 ug/ml, Immunocytochemistry/ Immunofluorescence 20 ug/mL, Immunohistochemistry-Paraffin 2.5 ug/ml

Images

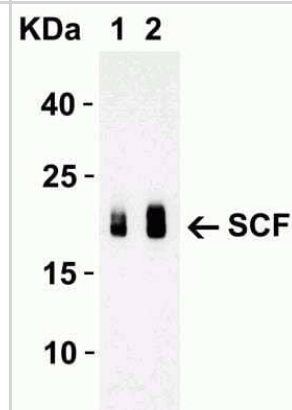
Western Blot: SCF/c-kit Ligand Antibody [NBP1-77030] - Loading: 15 ug of lysates per lane. Antibodies: SCF (1 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Western Blot: SCF/c-kit Ligand Antibody [NBP1-77030] - Analysis of SCF in A431 cell lysate with SCF antibody at (A) 1 and (B) 2 ug/mL.

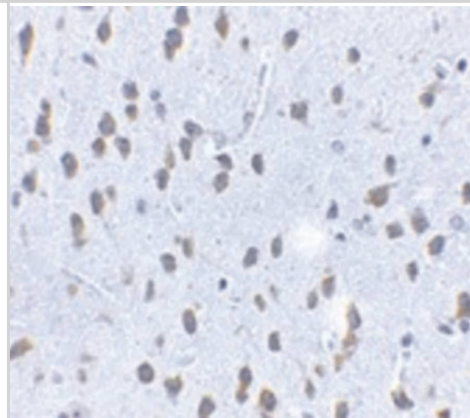


Western Blot: SCF/c-kit Ligand Antibody [NBP1-77030] - Loading: 30 ng of human SCF recombinant protein per lane. Antibodies: SCF (Lane 1: 1 ug/mL and Lane 2: 2 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. Observed at around 20kD.



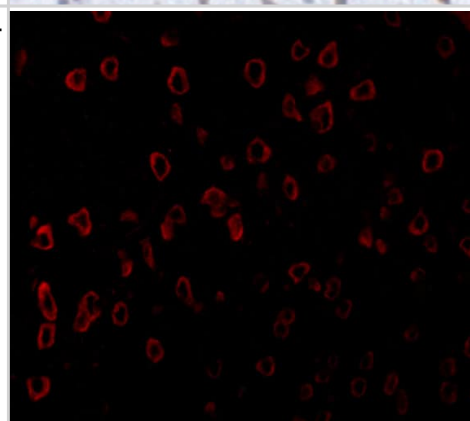
Immunohistochemistry: SCF/c-kit Ligand Antibody - BSA Free [NBP1-77030] - **Immunohistochemistry Validation of SCF/c-kit Ligand in Mouse Brain Tissue**

Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-SCF/c-kit Ligand antibody at 2.5 u/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4 °C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Immunocytochemistry/ Immunofluorescence: SCF/c-kit Ligand Antibody - BSA Free [NBP1-77030] - **Immunofluorescence Validation of SCF/c-kit Ligand in Human Brain Tissue**

Immunofluorescent analysis of 4% paraformaldehyde-fixed human brain tissue labeling SCF/c-kit Ligand with at 20 u/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red).



Publications

Jensen BM, Metcalfe DD, Gilfillan AM. Targeting kit activation: a potential therapeutic approach in the treatment of allergic inflammation. *Inflamm. Allergy Drug Targets*; 6:57-62. 2007-01-01 [PMID: 17352689]

Reber L, Da Silva CA, Frossard N. Stem cell factor and its receptor c-Kit as targets for inflammatory diseases. *Euro. J. Pharmacology*; 533:327-40. 2006-01-01 [PMID: 16483568]

Lukacs NW, Strieter RM, Lincoln PM et al. Stem cell factor (c-kit ligand) influences eosinophil recruitment and histamine levels in allergic airway inflammation. *J. Immunol.* 156:3945-51. 1996-01-01 [PMID: 8621935]





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Products Related to NBP1-77030

NBP1-77030PEP	SCF/c-kit Ligand Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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