

Product Datasheet

ALK-1 Antibody - BSA Free

NBP1-90254

Unit Size: 0.1 ml

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

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Publications: 3

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Updated 12/2/2025 v.20.1

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NBP1-90254

ALK-1 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

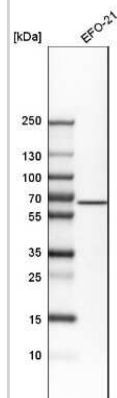
Product Description	
Description	Novus Biologicals Rabbit ALK-1 Antibody - BSA Free (NBP1-90254) is a polyclonal antibody validated for use in IHC and WB. Anti-ALK-1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	94
Gene Symbol	ACVRL1
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: DPVKPSRGPLVTCTCESPHCKGPTCRGAWCTVVLVREEGRHPQEHRGCGNL HRELCRGRPTEFVNHYCCDSHLCNHNVSLVLEATQPPSEQPGTDGQL

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

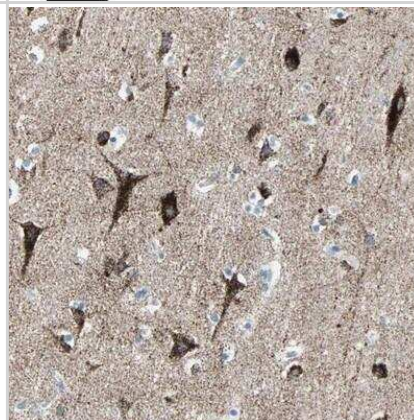


Images

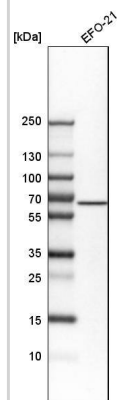
Western Blot: ALK-1 Antibody [NBP1-90254] - Analysis in human cell line EFO-21.



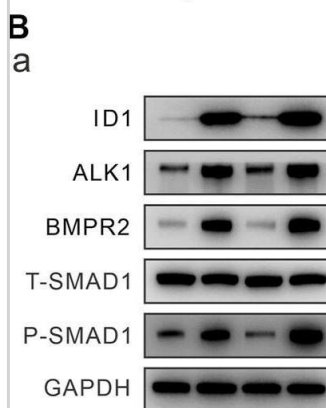
Immunohistochemistry-Paraffin: ALK-1 Antibody [NBP1-90254] - Staining of human cerebral cortex shows strong granular cytoplasmic positivity in neuronal cells.



Analysis in human cell line EFO-21.



BMP9 promoted BMPR2/Smad and ALK1/Smad activity in hiSCAPs. (A) The mRNA expression levels of (a) ID1 and BMP receptors (b) BMPRII and (c) ALK1 in hSCAPs and hiSCAPs. (B) The protein expression of (b) ID1, (c) BMPRII, (d) ALK1, (e) total and (f) phosphorylated Smad-1 was analyzed by Western blot. The grey intensity of bands was analyzed using ImageJ software. Each assay condition was performed in triplicate. *******, $p < 0.001$. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/37283947>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Cheng Q, Liu C, Chen Q et al. Establishing and characterizing human stem cells from the apical papilla immortalized by hTERT gene transfer *Frontiers in Cell and Developmental Biology* 2023-05-22 [PMID: 37283947]

Verma A, Artham S, Somanath PR ALK-1 to ALK-5 ratio dictated by the Akt1-beta-catenin pathway regulates TGF beta-induced endothelial-to-mesenchymal transition *Gene* 2020-11-04 [PMID: 33157202]

Cunha SI, Pardali E, Thorikay M et al. Genetic and pharmacological targeting of activin receptor-like kinase 1 impairs tumor growth and angiogenesis. *J Exp Med* 2010-01-01 [PMID: 20065063]





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Products Related to NBP1-90254

NBP1-90254PEP	ALK-1 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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