

# Product Datasheet

## ULK4 Antibody NBP1-20229

Unit Size: 0.15 ml

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

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**NBP1-20229**

## ULK4 Antibody

Product Information	
<b>Unit Size</b>	0.15 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Reconstitute in 150 ul of sterile water. Centrifuge to remove any insoluble material. Glycerol may be added (1:1) for additional stability. Please note the sample size is provided in reconstituted format.
<b>Isotype</b>	IgG
<b>Purity</b>	Unpurified
<b>Buffer</b>	Lyophilized from whole antisera

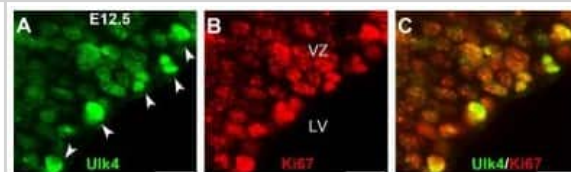
Product Description	
<b>Description</b>	Novus Biologicals Rabbit ULK4 Antibody (NBP1-20229) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-ULK4 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	54986
<b>Gene Symbol</b>	ULK4
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 24284070).
<b>Immunogen</b>	A synthetic peptide from human ULK4 conjugated to blue carrier protein has been used as the antigen. The peptide shares 95% identity with mouse sequence.

Product Application Details	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:10-1:500
<b>Application Notes</b>	Use in ICC/IF reported in scientific literature (PMID: 24284070).



## Images

Immunocytochemistry/Immunofluorescence: ULK4 Antibody [NBP1-20229] - At E12.5, Ulk4 (green) was expressed in Ki67 positive cells (red). This image was submitted via customer Review.



## Publications

Zhou M, Han Y, Jiang J Phosphorylation-induced SUMOylation promotes Ulk4 condensation at the ciliary tip to transduce Hedgehog signal *Journal of Cell Science* 2025-10-15 [PMID: 40171800]

Mecklenburg N, Kowalczyk I, Witte F et al. Identification of disease-relevant modulators of the SHH pathway in the developing brain *Development (Cambridge, England)* 2021-09-01 [PMID: 34463328] (ICC/IF, EM, WB, Mouse)

Liu M, Xu P, Guan Z et al. Ulk4 deficiency leads to hypomyelination in mice. *Glia*. [PMID: 29034508] (ICC/IF, Mouse)

Liu M, Guan Z, Shen Q et al. Ulk4 Regulates Neural Stem Cell Pool. *Stem Cells* 2016-09-01 [PMID: 27300315]

Lang B, Pu J, Hunter I et al. Recurrent deletions of ULK4 in schizophrenia: a novel gene crucial for neuritogenesis and neuronal motility. *J Cell Sci.* 2013-11-27 [PMID: 24284070] (IF/IHC, WB, ICC/IF, Mouse)



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### **Products Related to NBP1-20229**

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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

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### **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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