

# Product Datasheet

## Claudin-4 Antibody [Janelia Fluor® 646] NBP2-41187JF646

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-41187JF646**

Claudin-4 Antibody [Janelia Fluor® 646]

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Conjugate</b>	Janelia Fluor 646
<b>Purity</b>	Peptide affinity purified
<b>Buffer</b>	50mM Sodium Borate
Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	1364
<b>Gene Symbol</b>	CLDN4
<b>Species</b>	Human
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Rat (88%).
<b>Specificity/Sensitivity</b>	At least four isoforms of Claudin-4 are known to exist; Claudin-4 antibody will detect all four isoforms. Human Claudin-4 has one isoform (209aa, 22kD). Mouse Claudin-4 has one isoform (210aa, 22kD) and Rat Claudin-4 also has one isoform (210aa, 22kD). NBP2-41187 can detect human, mouse and rat.
<b>Immunogen</b>	Antibody was raised against a peptide corresponding to 17 amino acids near the carboxy terminus of human Claudin-4. The immunogen is located within the last 50 amino acids of Claudin-4. Amino Acid Sequence: PPRTDKPYSAKYSAR
<b>Notes</b>	Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.
Product Application Details	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



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### **Products Related to NBP2-41187JF646**

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NBP2-24891JF646	Rabbit IgG Isotype Control [Janelia Fluor 646]
236-EG-200	EGF [Unconjugated]
NBP2-75330	Human Claudin-4 ELISA Kit (Colorimetric)
210-TA-005	TNF-alpha [Unconjugated]

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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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