

# Product Datasheet

## Enolase 2/Neuron-specific Enolase Antibody (ENO2/1462) [Janelia Fluor® 646] NBP2-59603JF646

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-59603JF646**

Enolase 2/Neuron-specific Enolase Antibody (ENO2/1462) [Janelia Fluor® 646]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	ENO2/1462
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Conjugate	Janelia Fluor 646
Purity	Protein A or G purified
Buffer	50mM Sodium Borate

Product Description	
Host	Mouse
Gene ID	2026
Gene Symbol	ENO2
Species	Human, Mouse, Rat
Marker	Neuroendocrine Marker
Specificity/Sensitivity	The specificity of this monoclonal antibody to its intended target was validated by HuProt™ Array, containing more than 19,000, full-length human proteins. Recognizes a protein of about 50kDa, which is identified as gamma-enolase. Three isoenzymes of enolases are identified, alpha, beta and gamma. Alpha-isoform is expressed in most tissues, whereas beta-form is expressed predominantly in muscle tissue whereas gamma-enolase is found only in nervous tissue. These isoforms exist as both homodimers and heterodimers, and they play a role in converting phosphoglyceric acid to phosphoenolpyruvic acid in the glycolytic pathway. NSE-gamma is a useful marker to identify peripheral nerves and tumors of neuro-endocrine origins, such as pheochromocytomas. It is usually employed in combination with other markers such as Synaptophysin, Chromogranin A, and Neurofilament.
Immunogen	A synthetic peptide of human Enolase 2/Neuron-specific Enolase (around aa416-433) (exact sequence is proprietary) (Uniprot: P09104)
Notes	Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-ready
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined.



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### **Products Related to NBP2-59603JF646**

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NBP1-43317JF646	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [Janelia Fluor 646]
NBP2-61382-1mg	Recombinant Human Enolase 2/Neuron-specific Enolase Protein
7954-GM-010/CF	GM-CSF [Unconjugated]
DENL20	Enolase 2/Neuron-specific Enolase [HRP]

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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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