

Product Datasheet

Calcyphosine Antibody - BSA Free NBP1-91746

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 2/21/2025 v.20.1

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NBP1-91746

Calcyphosine 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	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

Host	Rabbit
Gene ID	828
Gene Symbol	CAPS
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: FRQLDRDGSRSLDADEFQRGLAKLGLVLDQAEAEVCRKWDRNGSGTLDLEE FLRALRPPMSQAREAVIAAAFAKLDRSGDGVVTVDDL

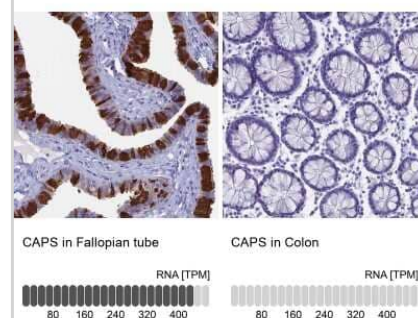
Product Application Details

Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:5000 - 1:10000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:5000 - 1:10000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

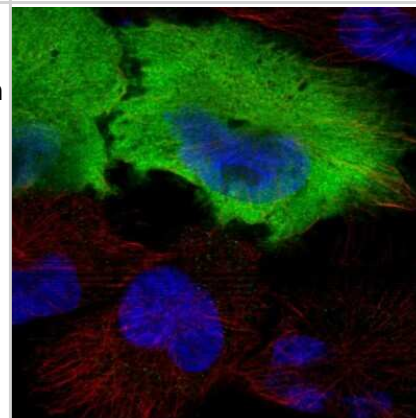


Images

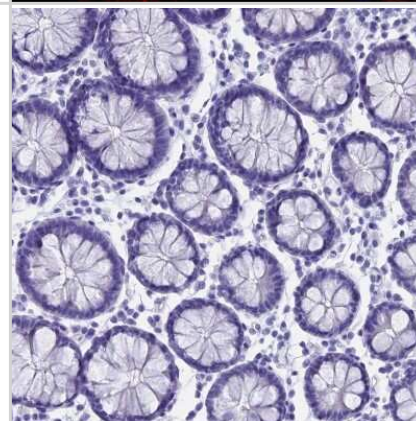
Immunohistochemistry-Paraffin: Calcyphosine Antibody [NBP1-91746] - Staining in human fallopian tube and colon tissues using anti-CAPS antibody. Corresponding CAPS RNA-seq data are presented for the same tissues.



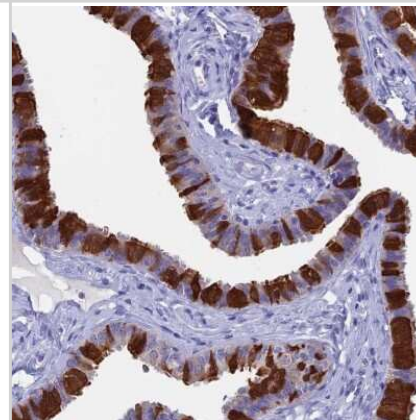
Immunocytochemistry/Immunofluorescence: Calcyphosine Antibody [NBP1-91746] - Staining of human cell line U-251 MG shows localization to nucleoplasm, plasma membrane & cytosol. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: Calcyphosine Antibody [NBP1-91746] - Staining of human colon shows low expression as expected.



Immunohistochemistry-Paraffin: Calcyphosine Antibody [NBP1-91746] - Staining of human fallopian tube shows high expression.



Publications

Griesinger AM, Riemondy K, Eswaran N et al. Multi-omic approach identifies hypoxic tumor-associated myeloid cells that drive immunobiology of high-risk pediatric ependymoma iScience 2023-09-15 [PMID: 37694144]

Amani V, Donson A M et al. Characterization of 2 Novel Ependymoma Cell Lines With Chromosome 1q Gain Derived From Posterior Fossa Tumors of Childhood. J Neuropathol Exp Neurol 2017-01-07 [PMID: 28863455] (IF/IHC, Human)

Gillen AE, Riemondy KA, Amani V et al. Single-Cell RNA Sequencing of Childhood Ependymoma Reveals Neoplastic Cell Subpopulations That Impact Molecular Classification and Etiology Cell Rep 2020-08-11 [PMID: 32783945]





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Products Related to NBP1-91746

NBP1-91746PEP	Calcyphosine Recombinant Protein Antigen
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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