

NRBP Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8085a**Specification**

NRBP Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O99J45
Other Accession	O4R8X0 , O9UHY1
Reactivity	Human, Mouse
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	59866
Antigen Region	47-76

NRBP Antibody (N-term) - Additional Information**Gene ID** 192292**Other Names**

Nuclear receptor-binding protein, HLS7-interacting protein kinase, MLF1 adapter molecule, Nrbp1, Madm, Nrbp

Target/Specificity

This NRBP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 47-76 amino acids from the N-terminal region of human NRBP.

Dilution

WB~~1:1000
IHC-P~~1:50~100

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NRBP Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NRBP Antibody (N-term) - Protein Information**Name** Nrbp1

Synonyms Madm, Nrpb

Function Required for embryonic development (PubMed:[22510880](#)). Plays a role in intestinal epithelial cell fate and proliferation, thereby involved in the architectural development of the intestine potentially via the regulation of Wnt-responsive genes (PubMed:[22510880](#)). May play a role in subcellular trafficking between the endoplasmic reticulum and Golgi apparatus through interactions with the Rho-type GTPases (By similarity).

Cellular Location

Cytoplasm, cell cortex. Endomembrane system. Cell projection, lamellipodium. Note=Colocalizes with activated RAC3 to endomembranes and at the cell periphery in lamellipodia

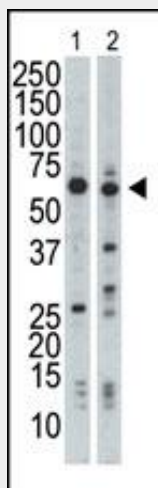
Tissue Location

Expressed in Paneth, enteroendocrine and precursor goblet cell lineages in the intestine.

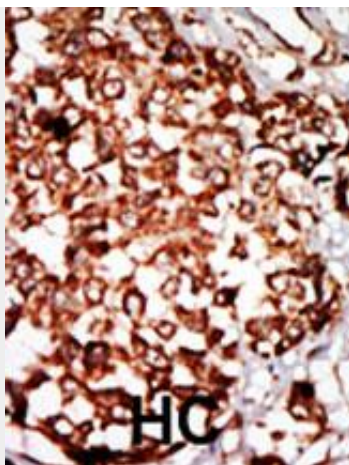
NRBP Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NRBP Antibody (N-term) - Images

Western blot analysis of anti-NRBP Pab (Cat. #AP8085a) in HL-60 cell lysate (Lane 1) and mouse brain tissue lysate (Lane 2). NRBP (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

NRBP Antibody (N-term) - Background

Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The STE group (homologs of yeast Sterile 7, 11, 20 kinases) consists of 50 kinases related to the mitogen-activated protein kinase (MAPK) cascade families (Ste7/MAP2K, Ste11/MAP3K, and Ste20/MAP4K). MAP kinase cascades, consisting of a MAPK and one or more upstream regulatory kinases (MAPKKs) have been best characterized in the yeast pheromone response pathway. Pheromones bind to Ste cell surface receptors and activate yeast MAPK pathway.

NRBP Antibody (N-term) - References

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