

MORN4/C10orf83 Rabbit pAb

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Catalog # AP56808

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8NDC4
Reactivity	Mouse
Predicted	Rat, Dog, Human, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16236
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MORN4/C10orf83
Epitope Specificity	101-146/146
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	MORN4 is a 146 amino acid protein that contains four MORN repeats and exists as two alternatively spliced isoforms. The gene encoding MORN4 maps to human chromosome 10, which contains over 800 genes and 135 million nucleotides, making up nearly 4.5% of the human genome. PTEN is an important tumor suppressor gene located on chromosome 10 and, when defective, causes a genetic predisposition to cancer development known as Cowden syndrome. The chromosome 10 encoded gene ERCC6 is important for DNA repair and is linked to Cockayne syndrome which is characterized by extreme photosensitivity and premature aging. Tetrahydrobiopterin deficiency and a number of syndromes involving defective skull and facial bone fusion are also linked to chromosome 10. As with most trisomies, trisomy 10 is rare and is deleterious.

Additional Information

Gene ID	118812
Other Names	MORN repeat-containing protein 4, Protein 44050, Retinophilin, MORN4, C10orf83
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

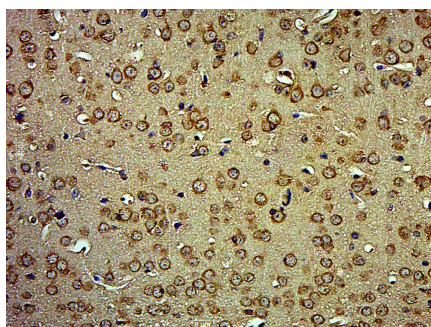
Protein Information

Name	MORN4
Synonyms	C10orf83
Function	Plays a role in promoting axonal degeneration following neuronal injury by toxic insult or trauma.
Cellular Location	Cytoplasm. Cell projection, filopodium tip. Cell projection, stereocilium {ECO:0000250 UniProtKB:Q6PGF2}. Note=Found in the cytoplasm in the absence of MYO3A and localizes at filopodial tips in the presence of MYO3A.

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Images



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MORN4) Polyclonal Antibody, Unconjugated (AP56808) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.