

Prune homolog 2/C9orf65 Rabbit pAb

Prune homolog 2/C9orf65 Rabbit pAb

Catalog # AP57524

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8WUY3
Reactivity	Rat, Human, Mouse
Predicted	Pig, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	340635
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Prune homolog 2/C9orf56
Epitope Specificity	2801-2900/3088
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Nucleus. Cell junction ?focal adhesion
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene belongs to the B-cell CLL/lymphoma 2 and adenovirus E1B 19 kDa interacting family, whose members play roles in many cellular processes including apoptosis, cell transformation, and synaptic function. Several functions for this protein have been demonstrated including suppression of Ras homolog family member A activity, which results in reduced stress fiber formation and suppression of oncogenic cellular transformation. A high molecular weight isoform of this protein has also been shown to colocalize with Adaptor protein complex 2, beta-Adaptin and endodermal markers, suggesting an involvement in post-endocytic trafficking. In prostate cancer cells, this gene acts as a tumor suppressor and its expression is regulated by prostate cancer antigen 3, a non-protein coding gene on the opposite DNA strand in an intron of this gene. Prostate cancer antigen 3 regulates levels of this gene through formation of a double-stranded RNA that undergoes adenosine deaminase actin on RNA-dependent adenosine-to-inosine RNA editing. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]

Additional Information

Gene ID	158471
Other Names	Protein prune homolog 2, BNIP2 motif-containing molecule at the C-terminal region 1, PRUNE2, BMCC1, BNIPXL, C9orf65, KIAA0367

Dilution	WB=1:500-2000,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.

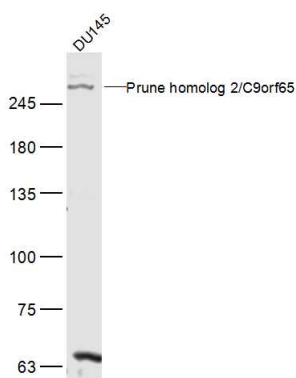
Protein Information

Name	PRUNE2
Synonyms	BMCC1, BNIPXL, C9orf65, KIAA0367
Function	May play an important role in regulating differentiation, survival and aggressiveness of the tumor cells.
Cellular Location	Cytoplasm.
Tissue Location	A high level of expression seen in the nervous system (brain, cerebellum and spinal cord) as well as adrenal gland Expressed at high levels in noneuroblastoma, rhabdomyosarcoma, melanoma and some osteosarcoma cell lines, whereas at only low levels in cancer cell lines of liver, breast, thyroid and colon. Expression is significantly higher in favorable tumors than aggressive ones

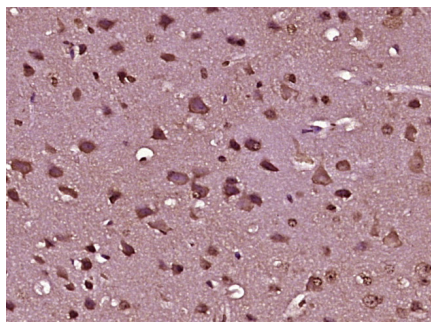
Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Images



Sample:
DU145(Human) Cell Lysate at 30 ug
Primary: Anti-Prune homolog 2/C9orf65 (AP57524) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 341 kD
Observed band size: 341 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); 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 (C9orf65) Polyclonal Antibody, Unconjugated (AP57524) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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