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ZRANB1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9830b

Specification

ZRANB1 Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q9UGI0
Other Accession	Q7M760, A6QP16
Reactivity	**Human, Mouse**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**80967**
Antigen Region	**665-692**

ZRANB1 Antibody (C-term) - Additional Information

Gene ID 54764

Other Names
Ubiquitin thioesterase ZRANB1, TRAF-binding domain-containing protein, hTrabid, Zinc finger Ran-binding domain-containing protein 1, ZRANB1, TRABID

Target/Specificity
This ZRANB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 665-692 amino acids from the C-terminal region of human ZRANB1.

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
ZRANB1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ZRANB1 Antibody (C-term) - Protein Information

Name ZRANB1 {ECO:0000303|PubMed:21834987, ECO:0000312|HGNC:HGNC:18224}

Function Ubiquitin thioesterase, which specifically hydrolyzes 'Lys- 29'-linked and 'Lys-33'-linked diubiquitin (PubMed:22157957, PubMed:23827681, PubMed:25752573, PubMed:25752577). Also cleaves 'Lys- 63'-linked chains, but with 40-fold less efficiency compared to 'Lys- 29'-linked ones (PubMed:18281465). Positive regulator of the Wnt signaling pathway that deubiquitinates APC protein, a negative regulator of Wnt-mediated transcription (PubMed:18281465). Acts as a regulator of autophagy by mediating deubiquitination of PIK3C3/VPS34, thereby promoting autophagosome maturation (PubMed:33637724). Plays a role in the regulation of cell morphology and cytoskeletal organization (PubMed:21834987). Required in the stress fiber dynamics and cell migration (PubMed:21834987).

Cellular Location
Cytoplasm. Nucleus. Note=Enriched in punctate localization in the cytoplasm.

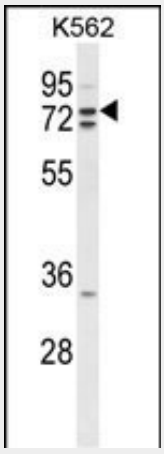
Tissue Location
Widely expressed..

ZRANB1 Antibody (C-term) - Protocols

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

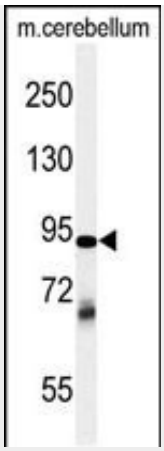
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ZRANB1 Antibody (C-term) - Images

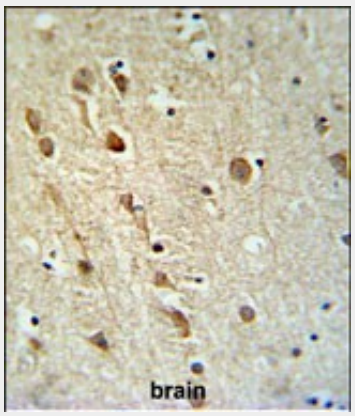


Western blot analysis of ZRANB1 Antibody (C-term) (Cat. #AP9830b) in K562 cell line lysates (35ug/lane). ZRANB1 (arrow) was detected using the purified Pab.

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Western blot analysis of ZRANB1 Antibody (C-term) (Cat. #AP9830b) in mouse cerebellum tissue lysates (35ug/lane). ZRANB1 (arrow) was detected using the purified Pab.



ZRANB1 Antibody (C-term) (Cat. #AP9830b) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ZRANB1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ZRANB1 Antibody (C-term) - Background

ZRANB1 is a positive regulator of the Wnt signaling pathway that specifically cleaves 'Lys-63'-linked ubiquitin chains. It acts by deubiquitinating APC protein, a negative regulator of Wnt-mediated transcription and may also modulate TNF-alpha signaling.

ZRANB1 Antibody (C-term) - References

Tran, H., et al. Genes Dev. 22(4):528-542(2008)
Evans, P.C., et al. Biochem. J. 357 (PT 3), 617-623 (2001)