

DATASHEET

ZRANB1 Rabbit Polyclonal Antibody

CAT. NO. APA19114

KEY FEATURES

Target	ZRANB1	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

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

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to ZRANB1
Specificity	Recognizes endogenous levels of ZRANB1 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-terminal region of human ZRANB1. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 80 kD; Observed: 74 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	TRABID; Ubiquitin thioesterase ZRANB1; TRAF-binding domain-containing protein; hTrabid; Zinc finger Ran-binding domain-containing protein 1
Gene Symbol	ZRANB1
Entrez Gene	54764(Human); 360216(Mouse)
SwissProt	Q9UGI0(Human); Q7M760(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

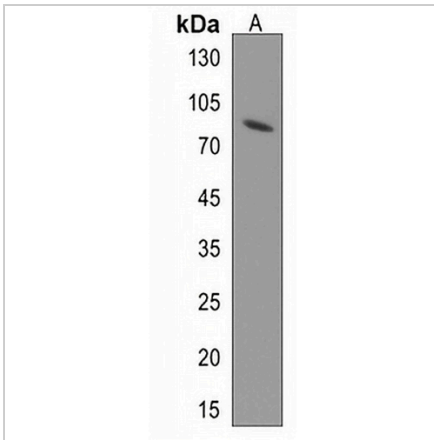
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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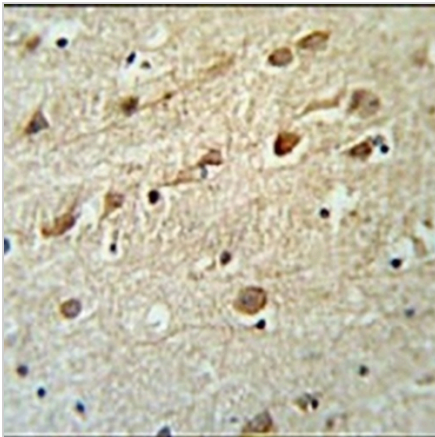
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Western blot analysis of ZRANB1 expression in K562 (A) whole cell lysates. (Predicted band size: 80 kD; Observed band size: 74 kD)



Immunohistochemical analysis of ZRANB1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.