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Rabbit Anti-ZFAND5 antibody

SL10142R

Product Name:	ZFAND5
Chinese Name:	AN1型Zinc finger protein5抗体
Alias:	AN1-type zinc finger protein 5; ZA20D2; ZFAN5_HUMAN; Zfand5; ZFAND5A; zinc finger A20 domain containing 2; Zinc finger A20 domain containing protein 2; Zinc finger A20 domain-containing protein 2; zinc finger AN1 type domain 5; Zinc finger protein 216; ZNF216.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	23kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ZFAND5:121-213/213
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	Inhibits NF-kappa-B activation triggered by overexpression of RIPK1 and TRAF6 but not of RELA. Inhibits also tumor necrosis (TNF), IL-1 and TLR4-induced NF-kappa-B activation in a dose-dependent manner. Overexpression sensitizes cells to TNF-induced apoptosis. Could be involved in regulating NF-kappa-B activation and apoptosis. Is a

potent inhibitory factor for osteoclast differentiation. Involved in protein degradation via the ubiquitin-proteasome system and plays a critical role in muscle atrophy. May act by anchoring ubiquitinylated proteins to the proteasome, playing a critical role in protein degradation.

Function:
Involved in protein degradation via the ubiquitin-proteasome system. May act by anchoring ubiquitinated proteins to the proteasome. Plays a role in ubiquitin-mediated protein degradation during muscle atrophy. Plays a role in the regulation of NF-kappa-B activation and apoptosis. Inhibits NF-kappa-B activation triggered by overexpression of RIPK1 and TRAF6 but not of RELA. Inhibits also tumor necrosis factor (TNF), IL-1 and TLR4-induced NF-kappa-B activation in a dose-dependent manner. Overexpression sensitizes cells to TNF-induced apoptosis. Is a potent inhibitory factor for osteoclast differentiation.

Subunit:
Interacts with ubiquitin and polyubiquitinated proteins. Identified in a heterotrimeric complex with ubiquitin and SQSTM1, where ZFAND5 and SQSTM1 both interact with the same ubiquitin molecule (By similarity). Homooligomer and/or heterooligomer. Interacts (via A20-type domain) with IKBKG and RIPK1 and with TRAF6 (via AN1-type domain).

Subcellular Location:
Cytoplasm.

Tissue Specificity:
Highly expressed in skeletal muscle. Expressed in fetal cochlea. Also expressed in infant brain, fetal heart, pancreatic islet, melanocyte, pineal gland, placenta, corneal stroma, and parathyroid tumor. Weakly expressed or undetectable in adult brain, heart, colon, thymus, spleen, kidney, liver, small intestine, placenta, lung and peripheral blood leukocytes. Expressed in rhabdomyosarcoma RD cells (at protein level).

Similarity:
Contains 1 A20-type zinc finger.
Contains 1 AN1-type zinc finger.

SWISS:
O76080

Gene ID:
7763

Database links:

Entrez Gene: 7763Human

Entrez Gene: 22682Mouse

	Entrez Gene: 293960Rat Omim: 604761Human SwissProt: O76080Human SwissProt: O88878Mouse SwissProt: B5DF11Rat Unigene: 406096Human Unigene: 292405Mouse Unigene: 379919Mouse Unigene: 4050Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.