Datasheet for ABIN1714635

anti-TNFRSF11A antibody (AA 101-200)

2 Images

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Overview

Quantity:	100 µL
Target:	TNFRSF11A
Binding Specificity:	AA 101-200
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNFRSF11A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human RANK
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Sheep,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	TNFRSF11A
Alternative Name:	Rank (TNFRSF11A Products)
Background:	Synonyms: TNFRSF11A, CD 265, CD265, CD265 antigen, Activator of NFKB, EOF, FEO, mRANK,

Target Details

	NFKB activator, ODFR, OFE, Osteoclast dferentiation factor receptor, PDB 2, Receptor activator of NF KB, receptor activator of nuclear factor kappa B, TNFRSF 11A, TNFSF11, TRANCE R, RANK receptor, TNR11_HUMAN. Background: CD265 is a member of the tumor necrosis factor receptor (TNFR) family. Human and murine CD265 share 81 % amino acid identity in their extracellular domains. CD265 is widely expressed, with highest levels in skeletal muscle, thymus, liver, colon, small intestine and adrenal gland. CD265 is also expressed in dendritic cells. RANK and RANK ligand (RANKL) are important regulators of interactions between T cells and dendritic cells. RANK is the essential signaling receptor for osteoclast differentiation factor in osteoclastogenesis. Multiple tumor necrosis factor receptor-associated factors (TRAFs) are involved in the signaling of CD265. TRANCE (TNF-related activation-induced cytokines, also known as RANK ligand, osteoprotegerin ligand and osteoclast differentiation factor) is the ligand for CD265. The biological functions mediated by RANK include activation of NFkappaB and cjun N-terminal kinase, enhancement of T cell growth and dendritic cell function, induction of osteoclastogenesis and lymph node organogenesis. The soluble form of CD265 is able to block TRANCE induced biological activity. The binding of anti-CD265 to cell surface CD265 triggers signal transduction and induces CD265 mediated bioactivity.
Pathways:	NF-kappaB Signaling

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400
Restrictions:	For Research Use only

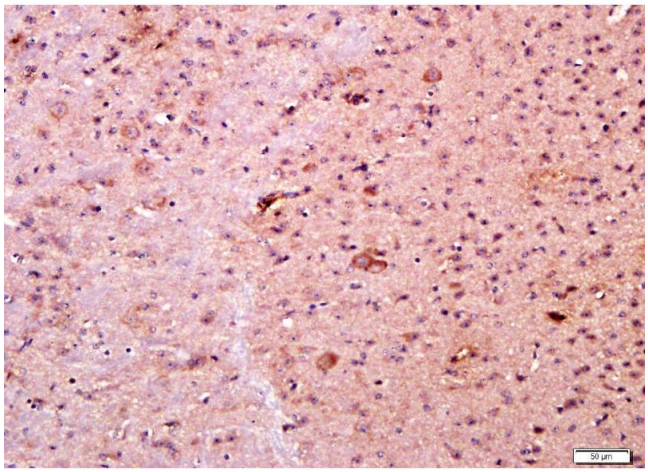
Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

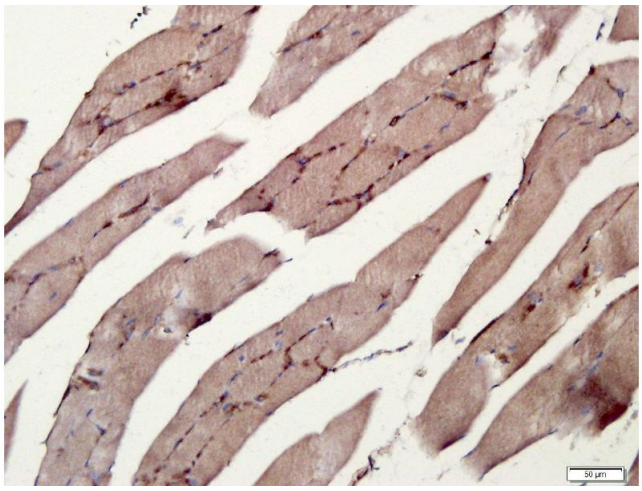
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded mouse brain tissue, Antigen retrieval by boiling in sodium citrate buffer(pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-RANK Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, followed by a conjugated secondary and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Paraformaldehyde-fixed, paraffin embedded rat skeletal muscle tissue, Antigen retrieval by boiling in sodium citrate buffer(pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-RANK Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, followed by a conjugated secondary and DAB staining