

Rabbit anti-Human, Mouse DR6 Polyclonal Antibody | anti-DR6 antibody

Phospho-DR6 (Ser562) Antibody

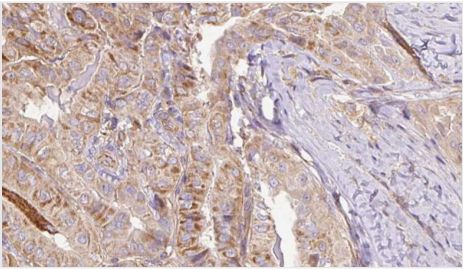
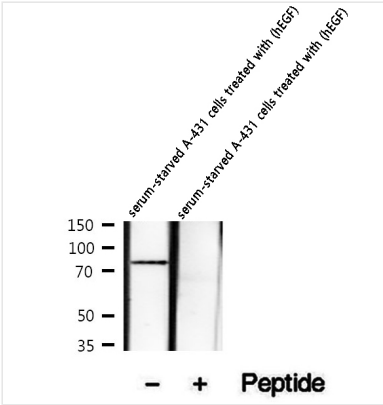
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321323	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

DR6; Polyclonal Antibody; Phospho-DR6 (Ser562) Antibody; TNFRSF 21; BM 018; BM018; CD358; Death receptor 6; DR 6; MGC31965; OTTHUMP00000039915; TNFR related death receptor 6; TNFRSF21; TNFRSF21 protein; TNR21_HUMAN; Tumor necrosis factor receptor superfamily member 21; Tumor necrosis factor receptor superfamily member 21 precursor; anti-DR6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-DR6 (Ser562) antibody detects endogenous levels of DR6.
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	655
Applicable Applications for anti-DR6 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DR6 around the phosphorylation site of Ser562.
Subcellular Location	Membrane.
Tissue Specificity	Detected in fetal spinal cord and in brain neurons, with higher levels in brain from Alzheimer disease patients (at protein level). Highly expressed in heart, brain, placenta, pancreas, lymph node, thymus and prostate. Detected at lower levels in lung, skeletal muscle, kidney, testis, uterus, small intestine, colon, spleen, bone marrow and fetal liver. Very low levels were found in adult liver and peripheral blood leukocytes.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (83%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Epitope	Phospho Ser562
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA321323 at 1/100 staining Human thyroid cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of extracts of serum-starved A-431 cells treated with (hEGF), using Phospho-DR6 (Ser562) Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DR6 antibody	Function: Promotes apoptosis, possibly via a pathway that involves the activation of NF-kappa-B. Can also promote apoptosis mediated by BAX and by the release of cytochrome c from the mitochondria into the cytoplasm. Plays a role in neuronal apoptosis, including apoptosis in response to amyloid peptides derived from APP, and is required for both normal cell body death and axonal pruning. Trophic-factor deprivation triggers the cleavage of surface APP by beta-secretase to release sAPP-beta which is further cleaved to release an N-terminal fragment of APP (N-APP). N-APP binds TNFRSF21; this triggers caspase activation and degeneration of both neuronal cell bodies (via caspase-3) and axons (via caspase-6). Negatively regulates oligodendrocyte survival, maturation and myelination. Plays a role in signaling cascades triggered by stimulation of T-cell receptors, in the adaptive immune response and in the regulation of T-cell differentiation and proliferation. Negatively regulates T-cell responses and the release of cytokines such as IL4, IL5, IL10, IL13 and IFNG by Th2 cells. Negatively regulates the production of IgG, IgM and IgM in response to antigens. May inhibit the activation of JNK in response to T-cell stimulation. Subunit Structure: Interacts with N-APP (By similarity). Associates with TRADD. Interacts with NGFR.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7657039
NCBI GeneID	27242
NCBI Accession #	NP_055267.1
NCBI GenBank Nucleotide #	NM_014452.4
UniProt Accession #	O75509; Q0D2P5; Q96D86; B2RDI9
Molecular Weight	Observed: 80 kDa Predicted: 72 kDa
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 21
NCBI Official Synonym Full Names	TNF receptor superfamily member 21
NCBI Official Symbol	TNFRSF21
NCBI Official Synonym Symbols	DR6; CD358; BM-018
NCBI Protein Information	tumor necrosis factor receptor superfamily member 21
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 21
UniProt Gene Name	TNFRSF21
UniProt Synonym Gene Names	DR6

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/dr6-antibody-immunohistochemistry-western-blot-elisa/321323>