TNF-R1 Rabbit pAb

CatalogNo: YT4687 Orthogonal Validated

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- IHC,IF,WB,ELISA

MW
- 50kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-2000
IHC 1:100-1:300
ELISA 1:20000
IF 1:50-200

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human TNF Receptor I. AA range:381-430
Specificity	TNF-R1 Polyclonal Antibody detects endogenous levels of TNF-R1 protein.

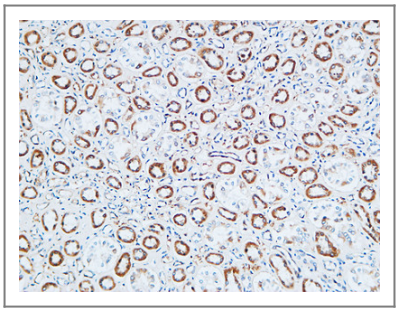
Target Information

Gene name	TNFRSF1A
Protein Name	Tumor necrosis factor receptor superfamily member 1A

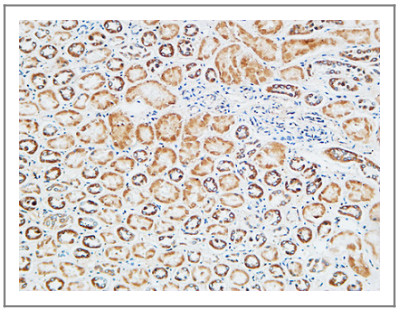
Organism	Gene ID	UniProt ID
Human	7132;	P19438;
Mouse	21937;	P25118;
Rat	25625;	P22934;

Cellular Localization	Cell membrane ; Single-pass type I membrane protein . Golgi apparatus membrane ; Single-pass type I membrane protein . Secreted . A secreted form is produced through proteolytic processing.; [Isoform 4]: Secreted. Lacks a Golgi-retention motif, is not membrane bound and therefore is secreted.
Tissue specificity	Muscle,Neutrophil,Placenta,Teratocarcinoma,Tongue,Urine,Uterus,
Function	Disease:Defects in TNFRSF1A are the cause of familial hibernian fever (FHF) [MIM:142680]; also known as tumor necrosis factor receptor-associated periodic syndrome (TRAPS). FHF is a hereditary periodic fever syndrome characterized by recurrent fever, abdominal pain, localized tender skin lesions and myalgia. Reactive amyloidosis is the main complication and occurs in 25% of cases.,Domain:Both the cytoplasmic membrane-proximal region and the C-terminal region containing the death domain are involved in the interaction with TRPC4AP.,Domain:The domain that induces A-SMASE is probably identical to the death domain. The N-SMASE activation domain (NSD) is both necessary and sufficient for activation of N-SMASE.,Function:Receptor for TNFSF2/TNF-alpha and homotrimeric TNFSF1/lymphotoxin-alpha. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Contributes to the induction of non-cytocidal TNF effects including anti-viral state and activation of the acid sphingomyelinase.,online information:Repertory of FMF and hereditary autoinflammatory disorders mutations,PTM:The soluble form is produced from the membrane form by proteolytic processing.,similarity:Contains 1 death domain.,similarity:Contains 4 TNFR-Cys repeats.,subunit:Binding of TNF to the extracellular domain leads to homotrimerization. The aggregated death domains provide a novel molecular interface that interacts specifically with the death domain of TRADD. Various TRADD-interacting proteins such as TRAFS, RIPK1 and possibly FADD, are recruited to the complex by their association with TRADD. This complex activates at least two distinct signaling cascades, apoptosis and NF-kappa-B signaling. Interacts with BAG4, BRE, FEM1B, GRB2, SQSTM1 and TRPC4AP. Interacts with HCV core protein.,

Validation Data



Immunohistochemical analysis of paraffin-embedded Human kidney. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



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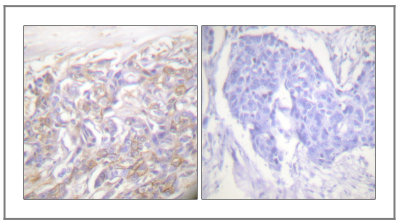

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using TNF Receptor I Antibody. The picture on the right is blocked with the synthesized peptide.

Contact information

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Please scan the QR code to access additional product information:
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