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Anti-CD120a Antibody

Catalog # AP51573

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P19438
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50495

Additional Information

Gene ID	7132
Other Names	TNFAR; TNFR1; Tumor necrosis factor receptor superfamily member 1A; Tumor necrosis factor receptor 1; TNF-R1; Tumor necrosis factor receptor type I; TNF-RI; TNFR-I; p55; p60; CD120a
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CD120a. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

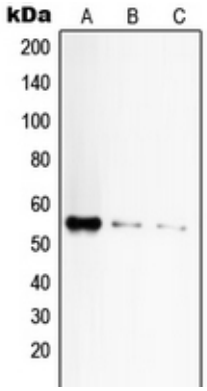
Protein Information

Name	TNFRSF1A
Synonyms	TNFAR, TNFR1
Function	Receptor for TNFSF2/TNF 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.
Cellular Location	Cell membrane; Single-pass type I membrane protein Golgi apparatus membrane; Single-pass type I membrane protein. Secreted. Note=A secreted form is produced through proteolytic processing

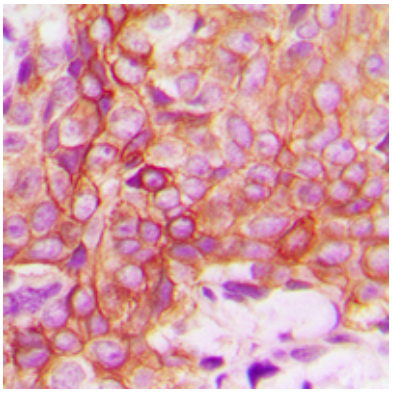
References

Loetscher H.,et al.Cell 61:351-359(1990).
Schall T.J.,et al.Cell 61:361-370(1990).
Himmler A.,et al.DNA Cell Biol. 9:705-715(1990).
Nophar Y.,et al.EMBO J. 9:3269-3278(1990).
Gray P.W.,et al.Proc. Natl. Acad. Sci. U.S.A. 87:7380-7384(1990).

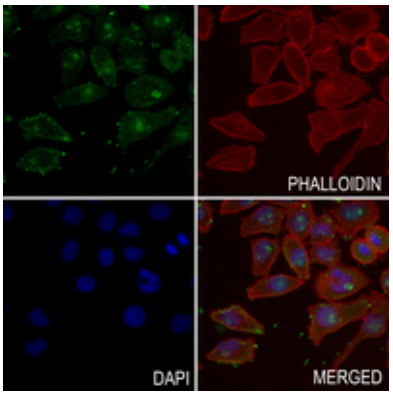
Images



Western blot analysis of CD120a expression in HeLa (A), mouse liver (B), rat liver (C) whole cell lysates. (Predicted band size: 50 kD; Observed band size: 60; 38; 25 kD)



Immunohistochemical analysis of CD120a staining in human breast cancer 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.



Immunofluorescent analysis of CD120a staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.