

bsm-62998R

[Primary Antibody]

TRAP1/HSP75 Recombinant Rabbit mAb

BioSS
ANTIBODIES

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— DATASHEET —

Host: Rabbit

Isotype: IgG

Clonality: Recombinant

CloneNo.: 13E18

GeneID: 10131

SWISS: Q12931

Target: TRAP1/HSP75

Immunogen: A synthesized peptide derived from human Hsp75: 50-100/704.

Purification: affinity purified by Protein A

Storage: 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.

Background: Chaperone that expresses an ATPase activity. Involved in maintaining mitochondrial function and polarization, downstream of PINK1 and mitochondrial complex I. Is a negative regulator of mitochondrial respiration able to modulate the balance between oxidative phosphorylation and aerobic glycolysis. The impact of TRAP1 on mitochondrial respiration is probably mediated by modulation of mitochondrial SRC and inhibition of SDHA.

Applications: WB (1:500-2000)

IHC-P (1:50-200)

IHC-F (1:50-200)

IF (1:50-200)

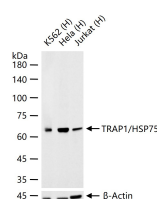
ICC/IF (1:50-200)

Reactivity: Human

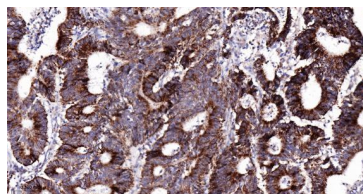
**Predicted
MW.:** 80

**Subcellular
Location:** Cytoplasm

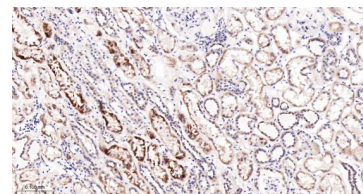
— VALIDATION IMAGES —



25 ug total protein per lane of various lysates (see on figure) probed with TRAP1/HSP75 monoclonal antibody, unconjugated (bsm-62998R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with TRAP1/HSP75 Monoclonal Antibody, Unconjugated(bsm-62998R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with TRAP1/HSP75 Monoclonal Antibody, Unconjugated(bsm-62998R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.