

Anti-TEM8 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat,Rabbit)
Molecular Weight:	Theoretical: 63 kDa. Actual: 63 kDa.
Purification:	Protein A purified

Applications

1. Sample:

HepG2 (Human) Cell Lysate at 30 µg

k562 (human) Cell Lysate at 30 µg

Primary: Anti-TEM8 (TMAB-13450) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 59 kD

Observed band size: 62 kD

2. Paraformaldehyde-fixed, paraffin embedded (Human esophageal cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TEM8) Polyclonal Antibody, Unconjugated (TMAB-13450) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

3. Sample:

Lane 1: Human A549 cell lysates

Lane 2: Human HepG2 cell lysates

Lane 3: Human SH-SY5Y cell lysates

Lane 4: Human Hela cell lysates

Lane 5: Human U2os cell lysates

Primary: Anti-TEM8 (TMAB-13450) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 63 kD

Observed band size: 61 kD

4. Sample:

Siha (Human) Cell Lysate at 30 µg

Uterus (Mouse) Lysate at 40 µg

Primary: Anti-TEM8 (TMAB-13450) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 59 kD

Observed band size: 62 kD

Verified Activity:

A DRUG SCREENING EXPERT

Application: WB,IHC-P,IHC-Fr,IF

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human TEM8

Antigen Species: Human

Gene ID: 84168

Uniprot ID: Q9H6X2

Research Background

This gene encodes a type I transmembrane protein and is a tumor-specific endothelial marker that has been implicated in colorectal cancer. The encoded protein has been shown to also be a docking protein or receptor for Bacillus anthracis toxin, the causative agent of the disease, anthrax. The binding of the protective antigen (PA) component, of the tripartite anthrax toxin, to this receptor protein mediates delivery of toxin components to the cytosol of cells. Once inside the cell, the other two components of anthrax toxin, edema factor (EF) and lethal factor (LF) disrupt normal cellular processes. Three alternatively spliced variants that encode different protein isoforms have been described. [provided by RefSeq, Oct 2008]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481