

## Anti-HSH2D Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted: Human, Mouse, Dog, Cow, Horse, Sheep)
Molecular Weight:	Theoretical: 39 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	1. Tissue/cell: Rat testis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-HSH2D Polyclonal Antibody, Unconjugated (TMAB-07328) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
	2. Tissue/cell: Rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-HSH2D Polyclonal Antibody, Unconjugated (TMAB-07328) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
Application:	IHC-P, IHC-Fr, IF
Recommended	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 HSH2D
Antigen Species:	Human
Gene ID:	84941
Uniprot ID:	Q96J22

### Research Background

HSH2 is a 352 amino acid nuclear and cytoplasmic protein that is predominantly expressed in spleen and hematopoietic cells, such as peripheral blood leukocytes, and weakly expressed in prostate, thymus, heart, small intestine and placenta. Containing an SH2 domain, four PXXP polyproline sequences and two possible tyrosine phosphorylation sites, HSH2 interacts with tyrosine kinases Fes and ACK. Considered an adaptor protein, HSH2 participates in tyrosine kinase signaling and may be involved in the regulation of cytokine signaling and cytoskeletal reorganization in hematopoietic cells. HSH2 may also act to attenuate apoptosis through modulating the apoptotic response by promoting mitochondrial stability. HSH2 exists as two alternatively spliced isoforms and is encoded by a

gene located on human chromosome 19p13.11.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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