

PSPHL Rabbit pAb

CatalogNo: YN3938

Key Features

Host Species

- Rabbit

Reactivity

- Human

Applications

- IHC,IF

MW

- 8kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

IHC 1:50-200

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 Synthesized peptide derived from human PSPHL AA range: 21-71

Specificity This antibody detects endogenous levels of PSPHL at Human

Target Information

Gene name PSPHP1 CO9 PSPHL

Protein Name PSPHL

Organism

Gene ID

UniProt ID

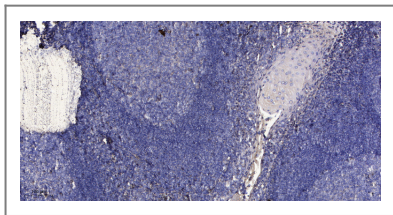
Human

[O15172](#);

Tissue specificity Highly expressed in FA (Fanconi's anemia) B-cells of complementation group A and Raji cells. Not expressed in B-cells of other FA complementation groups.

Function Catalytic activity:O-phospho-L(or D)-serine + H(2)O = L(or D)-serine + phosphate.,cofactor:Magnesium.,Disease:Defects in PSPH are the cause of 3-phosphoserine phosphatase deficiency (PSPHD)[MIM:172480]. Affected individuals have pre- and postnatal growth retardation, moderate psychomotor retardation and facial features suggestive of Williams syndrome.,Function:Catalyzes the last step in the biosynthesis of serine from carbohydrates. The reaction mechanism proceeds via the formation of a phosphoryl-enzyme intermediates.,pathway:Amino-acid biosynthesis; L-serine biosynthesis; L-serine from 3-phospho-D-glyceric acid: step 3/3.,similarity:Belongs to the serB family.,subunit:Homodimer.,

Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

Contact information

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PSPHL Rabbit pAb

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