

Rabbit Asparagine synthetase/ASNS Polyclonal Antibody | anti-ASNS antibody

Anti-Asparagine synthetase/ASNS Antibody Picoband

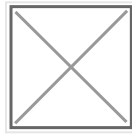
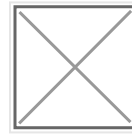
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19789	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Asparagine synthetase/ASNS; Polyclonal Antibody; Anti-Asparagine synthetase/ASNS Antibody Picoband; glutathione S-transferase mu 3 ; Glutathione S-transferase Mu 3; GST class-mu 3; GSTM3-3; hGSTM3-3; GSTM3; GST5; anti-ASNS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Testis and brain.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-ASNS antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	WB: 0.25-0.5ug/ml, Human, Mouse, Rat IHC(Paraffin-embedded Section): 2-5ug/ml, Human IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human Asparagine synthetase/ASNS recombinant protein (Position: M1-D531).
Subcellular Localization	Cytoplasm
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. May govern uptake and detoxification of both endogenous compounds and xenobiotics at the testis and brain blood barriers.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



Related Product Information for anti-ASNS antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-ASNS antibody	Primary Antibodies ; Cancer ; Drug Metabolism ; Metabolic Signaling Pathways ; Metabolism ; Pathways and Processes ; Signal Transduction

References	1. Abhyankar, A., Lamendola-Essel, M., Brennan, K., Giordano, J. L., Esteves, C., Felice, V., Wapner, R., Jobanputra, V. Clinical whole exome sequencing from dried blood spot identifies novel genetic defect underlying asparagine synthetase deficiency. Clin. Case Rep. 6: 200-205, 2018.2. Arfin, S. M., Cirullo, R. E., Arredondo-Vega, F. X., Smith, M. Assignment of the structural gene for asparagine synthetase to human chromosome 7. Somat. Cell Genet. 9: 517-531, 1983. 3. Greco, A., Ittmann, M., Barletta, C., Basilico, C., Croce, C. M., Cannizzaro, L. A., Huebner, K. Chromosomal localization of human genes required for G(1) progression in mammalian cells. Genomics 4: 240-245, 1989.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	296010848
NCBI GeneID	440
NCBI Accession #	NP_001171546.1
NCBI GenBank Nucleotide #	NM_001178075.1
UniProt Accession #	P08243; P08184; Q15666; Q549T9; Q96HD0; A4D1I8; B4DXZ1; B7ZAA9; D6W5R3; E9PCI3; E9PCX6
Molecular Weight	64370 MW
NCBI Official Full Name	asparagine synthetase
NCBI Official Synonym Full Names	asparagine synthetase (glutamine-hydrolyzing)
NCBI Official Symbol	ASNS
NCBI Official Synonym Symbols	TS11; ASNSD
NCBI Protein Information	asparagine synthetase [glutamine-hydrolyzing]
UniProt Protein Name	Asparagine synthetase [glutamine-hydrolyzing]
UniProt Gene Name	ASNS
UniProt Synonym Gene Names	TS11

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.