

Datasheet for ABIN7599465

anti-Asparagine Synthetase antibody (AA 1-531)



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Overview

Quantity:	100 µg
Target:	Asparagine Synthetase (ASNS)
Binding Specificity:	AA 1-531
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Asparagine Synthetase antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Asparagine synthetase/ASNS Antibody Picoband®
Immunogen:	E.coli-derived human Asparagine synthetase/ASNS recombinant protein (Position: M1-D531).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Asparagine synthetase/ASNS Antibody Picoband® (ABIN7599465). Tested in ELISA, Flow Cytometry, IF, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	Asparagine Synthetase (ASNS)
Alternative Name:	ASNS (ASNS Products)
Background:	Synonyms: Glutathione S-transferase Mu 3, GST class-mu 3, GSTM3-3, hGSTM3-3, GSTM3, GST5, Tissue Specificity: Testis and brain. Background: The protein encoded by this gene is involved in the synthesis of asparagine. This gene complements a mutation in the temperature-sensitive hamster mutant ts11, which blocks progression through the G1 phase of the cell cycle at nonpermissive temperature. Alternatively spliced transcript variants have been described for this gene.
Molecular Weight:	64 kDa
Gene ID:	440
UniProt:	P08243
Pathways:	ER-Nucleus Signaling

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 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.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.