10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ASNS Antibody

Rabbit mAb
Catalog # AP90709

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	P08243
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	TS11; ASNSD; ASNS; Asparagine synthetase [glutamine-hydrolyzing];
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	64370

Additional Information

Dilution	WB 1:1000~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human ASNS
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	ASNS (HGNC:753)
Function	Catalyzes the ATP-dependent synthesis of L-asparagine from L- aspartate, using L-glutamine as a source of nitrogen (PubMed:2564390, PubMed:2573597). Can also use ammonia as the nitrogen source in vitro (PubMed:2564390, PubMed:2573597).

Images

Western blot analysis of ASNS expression in K562 cell lysate.

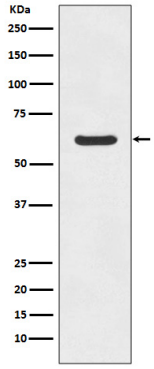


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Immunohistochemical analysis of paraffin-embedded human bladder, using ASNS Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.