SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-Asparagine synthetase/AF594 Conjugated antibody

Catalog Number: SL23431R-AF594

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-Asparagine synthetase/AF594
Immunogen:	KLH conjugated synthetic peptide derived from human Asparagine synthetase
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse,Rat(predicted:Dog,Pig,Cow,Horse,Rabbit)
Background:	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. [provided by RefSeq, May 2010] DISEASE: Asparagine synthetase deficiency (ASNSD) [MIM:615574]: An inborn error of asparagine biosynthesis that results in a severe neurologic disorder characterized by microcephaly, severely delayed psychomotor development, progressive encephalopathy, cortical atrophy, and seizure or hyperekplexic activity. {ECO:0000269|PubMed:24139043}. Note=The disease is caused by mutations affecting the gene represented in this entry. **Similarity:** Contains 1 asparagine synthetase domain. Contains 1 glutamine amidotransferase type-2 domain. **Database links:** **Entrez Gene:** 440 Human

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Entrez Gene: 27053 Mouse **Entrez Gene:** 25612 Rat Omim: 108370 Human **SwissProt:** P08243 Human **SwissProt:** Q61024 Mouse **SwissProt:** P49088 Rat **Unigene:** 489207 Human **Unigene:** 2942 Mouse **Unigene:** 11172 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.