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Datasheet for ABIN6147387
anti-SARS2 antibody (AA 289-518)

2 Images

Overview

Quantity:	100 µL
Target:	SARS2
Binding Specificity:	AA 289-518
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SARS2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 289-518 of human SARS2 (NP_060297.1).
Sequence:	ARFKDLNLAG TAEVGLAGYF MDHTVAFRDL PVRMVCSSSTC YRAETNTGQE PRGLYRVHHF TKVEMFGVTG PGLEQSSQLL EEFLSLQMEI LTELGLHFRV LDMPTQELGL PAYRKFDIEA WMPGRGRFGE VTSASNCTDF QSRR LHIMFQ TEAGELQFAH TVNATACAVP RLLIALLESN QQKDGSVLVP PALQSYLGTD RITAPTHVPL QYIGPNQPRK PGLPGQPAVS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

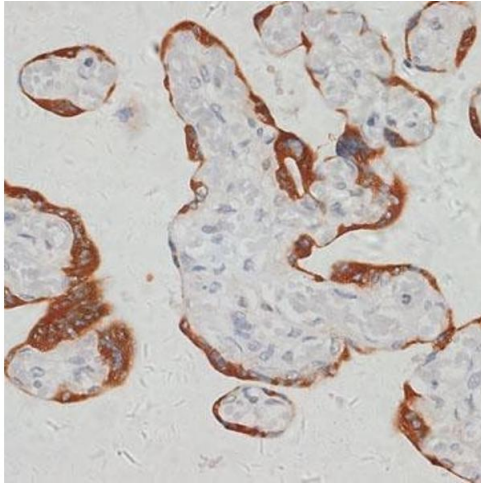
Target:	SARS2
Alternative Name:	SARS2 (SARS2 Products)
Background:	<p>This gene encodes the mitochondrial seryl-tRNA synthetase precursor, a member of the class II tRNA synthetase family. The mature enzyme catalyzes the ligation of Serine to tRNA(Ser) and participates in the biosynthesis of selenocysteinyl-tRNA(sec) in mitochondria. The enzyme contains an N-terminal tRNA binding domain and a core catalytic domain. It functions in a homodimeric form, which is stabilized by tRNA binding. This gene is regulated by a bidirectional promoter that also controls the expression of mitochondrial ribosomal protein S12. Both genes are within the critical interval for the autosomal dominant deafness locus DFNA4 and might be linked to this disease. Multiple transcript variants encoding different isoforms have been identified for this gene.,SARS2,SARS,SARSM,SERS,SYS,SerRS,SerRSmt,Epigenetics & Nuclear Signaling,SARS2</p>
Molecular Weight:	58 kDa
Gene ID:	54938
UniProt:	Q9NP81

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

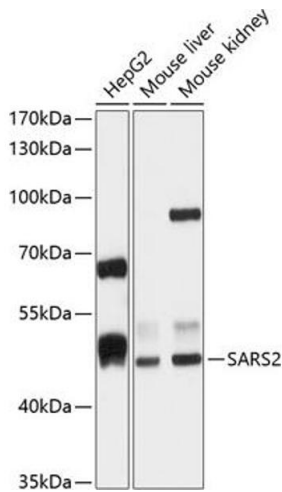
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human placenta using S antibody (ABIN6132970, ABIN6147387, ABIN6147388 and ABIN6215904) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using S antibody (ABIN6132970, ABIN6147387, ABIN6147388 and ABIN6215904) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.