

Anti-VARS antibody (1-280) (STJ26071)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

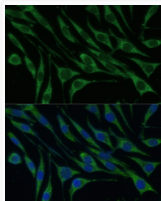
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:2000 IHC-P:1:50-1:100 IF/CC:1:50-1:100 ELISA:Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 140kDa Observed Mw: 140kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

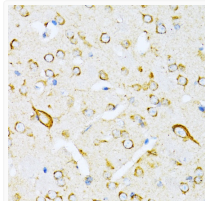
Gene ID	7407
Gene Symbol	VARS1
UniProt ID	SYVC_HUMAN
Immunogen Region	1-280
Immunogen Sequence	MSTLYVSPHPDAFPSLRALI AARYGEAGEGPGWGGAHPRI CLQPPTSRTPFPPRLPAL EQGPGGLWVWGATAVAQLLW PAGLGGPGGSRAAVLVQQWV SYADTELIPACGATLPALG LRSSAQDPQAVLGALGRALS PLEEWRLRLHTYLAGEAPTLA DLAAVTALLLPFRYVLDPPA RRIWNNVTRWFVTCVRQPEF RAVLGEVVLVSGARPLSHQP GPEAPALPKTAAQLKKEAK
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1-280 of human VARS (NP_006286.1).

ADDITIONAL INFORMATION

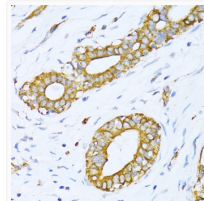
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



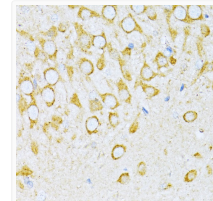
Immunofluorescence analysis of L929 cells using VARS Polyclonal Antibody (STJ26071) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



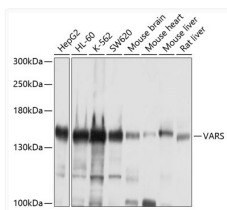
Immunohistochemistry analysis of paraffin-embedded mouse brain using VARS antibody (STJ26071) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded human breast cancer using VARS antibody (STJ26071) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat brain using VARS antibody (STJ26071) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Western blot analysis of extracts of various cell lines, using VARS antibody (STJ26071) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.