

Anti-OGN antibody (20-298) (STJ28762)

GENERAL INFORMATION

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

PRODUCT PROPERTIES

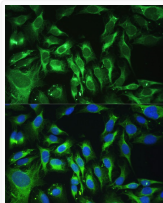
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:1000-1:5000 IHC-P:1:100-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 34kDa Observed Mw: 35kDa/50kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

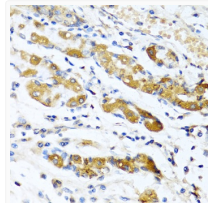
Gene ID	4969
Gene Symbol	OGN
UniProt ID	MIME_HUMAN
Immunogen Region	20-298
Immunogen Sequence	APPTQQDSRIIYDYGTDNFE ESIFSQDYEDKYLDGKNIKE KETVIIPNEKSLQLQKDEAI TPLPPKKEEMPTCLLCVC LSGSVYCEEVDIDAVPLPK ESAYLYARFNKIKKLTAKDF ADIPNLRRLDFTGNLIEDIE DGTFSKLSLLEELSLAENQL LKLPVLPKLTFLNAKYNKI KSRGIKANAFKLNLTFLY LDHNALESVPLNLPESLRVI HLFQNNIASITDDTFCKAN
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 20-298 of human Osteoglycin (OGN) (NP_054776.1).

ADDITIONAL INFORMATION

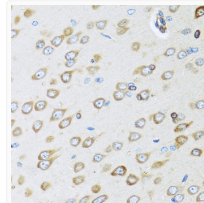
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



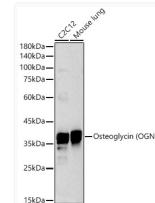
Immunofluorescence analysis of U-2 OS cells using Osteoglycin (OGN) antibody (STJ28762) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded human stomach using Osteoglycin (OGN) antibody (STJ28762) 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 Osteoglycin (OGN) antibody (STJ28762) 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 various lysates, using Osteoglycin (OGN) Rabbit polyclonal antibody (STJ28762) at 1:2000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.