Datasheet for ABIN6145008

anti-OGN antibody (AA 20-298)

4 Images

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Overview

Quantity:	100 µL
Target:	OGN
Binding Specificity:	AA 20-298
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OGN antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 20-298 of human OGN (NP_148935.1).
Sequence:	APPTQQDSRI IYDYGTDNFE ESIFSQDYED KYLDGKNIKE KETVIIPNEK SLQLQKDEAI TPLPPKKEND EMPTCLLCVC LSGSVYCEEV DIDAVPPLPK ESAYLYARFN KIKKLTAKDF ADIPNLRRLD FTGNLIEDIE DGTFSKLSLL EELSLAENQL LKLPVLPPKL TLFNAKYNKI KSRGIKANAF KKLNNLTFLY LDHNALESVP LNLPESLRVI HLQFNNIASI TDDTFCKAND TSYIRDRIEE IRLEGNPIVL GKHPNSFICL KRLPIGSYF
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

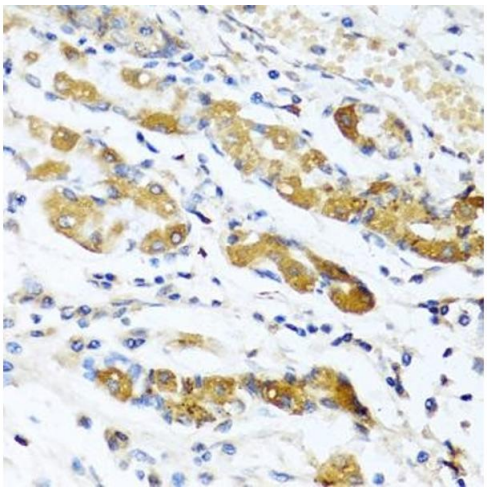
Target:	OGN
Alternative Name:	OGN (OGN Products)
Background:	This gene encodes a member of the small leucine-rich proteoglycan (SLRP) family of proteins. The encoded protein induces ectopic bone formation in conjunction with transforming growth factor beta and may regulate osteoblast differentiation. High expression of the encoded protein may be associated with elevated heart left ventricular mass. Alternative splicing results in multiple transcript variants.,OGN,OG,OIF,SLRR3A,mimecan,Signal Transduction,Cell Biology & Developmental Biology,Cell Cycle,Cell differentiation,Cytoskeleton,Extracellular Matrix,Bone,Growth factor,OGN
Molecular Weight:	33 kDa
Gene ID:	4969
UniProt:	P20774
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:100 - 1:200,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

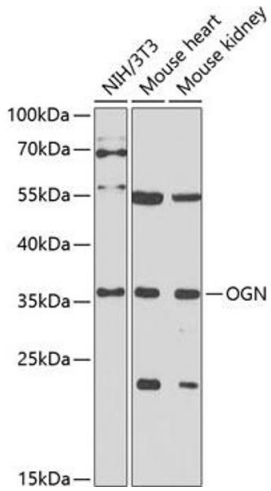
Handling

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.



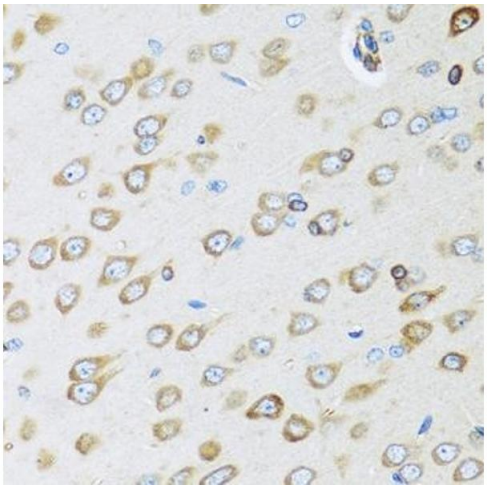
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human stomach using OGN antibody (ABIN6131952, ABIN6145008, ABIN6145009 and ABIN6222384) 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 OGN antibody (ABIN6131952, ABIN6145008, ABIN6145009 and ABIN6222384) 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: 90s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat brain using OGN antibody (ABIN6131952, ABIN6145008, ABIN6145009 and ABIN6222384) 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.

Please check the product details page for more images. Overall 4 images are available for ABIN6145008.

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