

HDGR2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20245A

Specification

HDGR2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q7Z4V5
Other Accession	Q5XXA9 , Q32N87 , Q925G1 , Q3UMU9 , NP_001001520.1
Reactivity	Human
Predicted	Mouse, Rat, Xenopus, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	74317
Antigen Region	51-79

HDGR2 Antibody (N-term) - Additional Information

Gene ID 84717

Other Names

Hepatoma-derived growth factor-related protein 2, HRP-2, Hepatoma-derived growth factor 2, HDGF-2, HDGFRP2, HDGF2

Target/Specificity

This HDGR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 51-79 amino acids from the N-terminal region of human HDGR2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

HDGR2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HDGR2 Antibody (N-term) - Protein Information

Name HDGFL2 ([HGNC:14680](#))

Function Acts as an epigenetic regulator of myogenesis in cooperation with DPF3a (isoform 2 of DPF3/BAF45C) (PubMed:[32459350](#)). Associates with the BAF complex via its interaction with DPF3a and HDGFL2-DPF3a activate myogenic genes by increasing chromatin accessibility through recruitment of SMARCA4/BRG1/BAF190A (ATPase subunit of the BAF complex) to myogenic gene promoters (PubMed:[32459350](#)). Promotes the repair of DNA double-strand breaks (DSBs) through the homologous recombination pathway by facilitating the recruitment of the DNA endonuclease RBBP8 to the DSBs (PubMed:[26721387](#)). Preferentially binds to chromatin regions marked by H3K9me3, H3K27me3 and H3K36me2 (PubMed:[26721387](#), PubMed:[32459350](#)). Involved in cellular growth control, through the regulation of cyclin D1 expression (PubMed:[25689719](#)).

Cellular Location

Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q925G1}

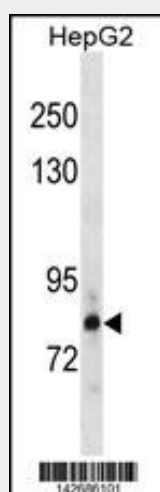
Tissue Location

Widely expressed. High expression is found in heart, skeletal muscle, ovary and testis. Overexpression is frequently observed in hepatocellular carcinoma samples

HDGR2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HDGR2 Antibody (N-term) - Images

HDGR2 Antibody (N-term) (Cat. #AP20245a) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the HDGR2 antibody detected the HDGR2 protein (arrow).

HDGR2 Antibody (N-term) - Background

This gene encodes a member of the hepatoma-derived growth factor (HDGF) family. Two alternatively spliced transcript variants encoding slightly different isoforms have been found for this gene.

HDGR2 Antibody (N-term) - References

Matsuoka, S., et al. Science 316(5828):1160-1166(2007)
Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Vandegraaff, N., et al. Virology 346(2):415-426(2006)
Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)