

HDGFRP2 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS16600**Specification**

HDGFRP2 Antibody (N-Terminus) - Product Information

Application	IHC, IF
Primary Accession	Q7Z4V5
Other Accession	84717
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74317

HDGFRP2 Antibody (N-Terminus) - Additional Information**Gene ID** 84717**Other Names**

HDGFRP2, HDGF-2, HDGF2, HRP-2

Target/Specificity

Human HDGFRP2. At least two isoforms of HDGFRP2 are known to exist; this antibody will recognize both isoforms. This antibody is predicted to not cross-react with other HDGFRP family members

Reconstitution & Storage

PBS, 0.02% sodium azide. Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

HDGFRP2 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

HDGFRP2 Antibody (N-Terminus) - Protein Information**Name** HDGFL2 ([HGNC:14680](#))**Function**

Acts as an epigenetic regulator of myogenesis in cooperation with DPF3a (isoform 2 of DPF3/BAF45C) (PubMed:<<http://www.uniprot.org/citations/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:<<http://www.uniprot.org/citations/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:<<http://www.uniprot.org/citations/26721387>>).

target="_blank">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}

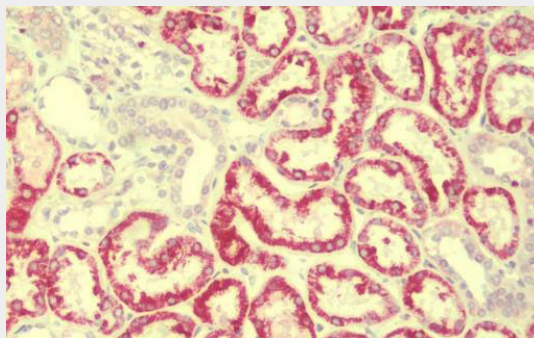
Tissue Location

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

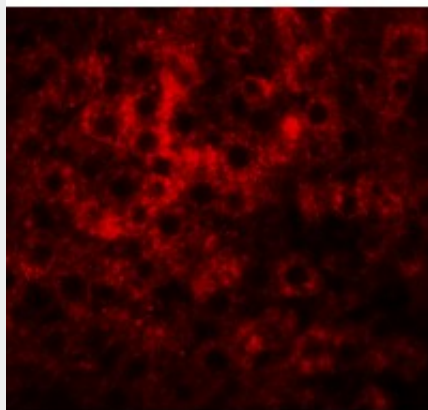
HDGFRP2 Antibody (N-Terminus) - Protocols

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](#)

HDGFRP2 Antibody (N-Terminus) - Images

Anti-HDGFRP2 antibody IHC staining of human kidney.



Immunofluorescence of HDGFRP2 in rat liver tissue with HDGFRP2 antibody at 20 µg/mL.

HDGFRP2 Antibody (N-Terminus) - References

Yu L.,et al.Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Grimwood J.,et al.Nature 428:529-535(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Wu H.,et al.PLoS ONE 6:E18919-E18919(2011).