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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: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:<a href="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}

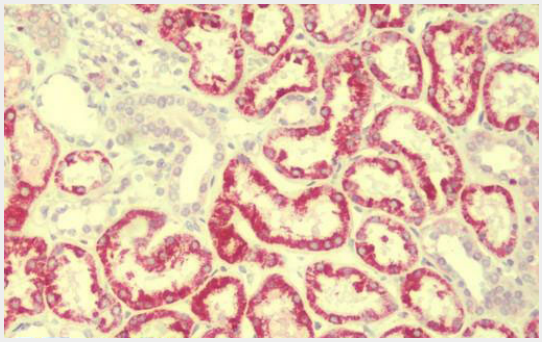
Tissue Location
Widely expressed. High expression is found in heart, skeletal muscle, ovary and testis. Overexpression is frequently observed in hepatocellular carcinoma samples

HDGFRP2 Antibody (N-Terminus) - Protocols

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

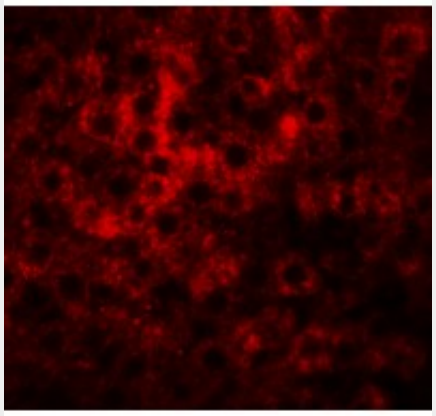
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HDGFRP2 Antibody (N-Terminus) - Images



Anti-HDGFRP2 antibody IHC staining of human kidney.

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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).