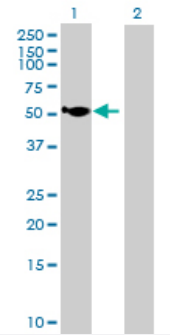
MaxPab®

HGD purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003081-B01P Size 50 ug

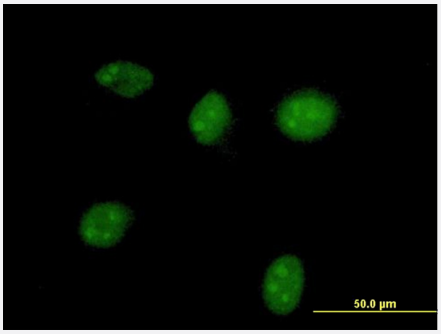
Applications



Western Blot (Transfected lysate)

Western Blot analysis of HGD expression in transfected 293T cell line (H00003081-T01) by HGD MaxPab polyclonal antibody.

Lane1:HGD transfected lysate(48.95 KDa).
Lane2:Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to HGD on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human HGD protein.
Immunogen	HGD (AAH71757.1, 1 a.a. ~ 445 a.a) full-length human protein.
Sequence	MAELKYISGFGNECSSEDPRCPGSLPEGQNNPQVCPYNLYAEQLSGSAFTCPRSTNKRSWLYRIL PSVSHKPFESIDEGHVTHNWDEVDPDPNQLRWKPFEIPKASQKKVDFVSGLHTLCGAGDIKSNN GLAIHIFLCNTSMENRCFYNSDGDFLIVPQKGNLLIYTEFGKMLVQPNEICVIQRGMRFSIDVFEETR GYILEVYGVHFELPDLGPIGANGLANPRDFLIPIAWYEDRQVPGGYTVINKYQGKLFAAKQDVSPFN VVAWHGNYTPYKYNLKNFMVINSVAFDHADPSIFTVLTAKSVRPGVAIADFVIFPPRWGVADKTFR PPYYHRNCMSEFMGLIRGHYEAKQGGFLPGGGSLHSTMTPHGPDADCFEKASKVKLAPERIADG TMAFMFESSLSLAVTKWGLKASRCLDENYHKCWEPLKSHFTPNSRNPAEPN

Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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- Western Blot (Transfected lysate)

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  Protocol Download

- Immunofluorescence

  Immunofluorescence of purified MaxPab antibody to HGD on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — HGD

Entrez GeneID	3081
GeneBank Accession#	NM_000187.1
Protein Accession#	AAH71757.1
Gene Name	HGD
Gene Alias	AKU, HGO
Gene Description	homogentisate 1,2-dioxygenase (homogentisate oxidase)
Omim ID	203500 607474
Gene Ontology	Hyperlink
Gene Summary	Homogentisate 1,2-dioxygenase (HGD) gene mutations are the molecular cause of alkaptonuria, a rare hereditary disorder of the phenylalanine catabolism. The highest expression of HGD is in th e prostate, small intestine, colon, and liver. The HGD gene contains 14 exons. Conflicting reports have placed the gene at 3q2, 3q13.3-q21, 3q21-q24, 3q21-q23, or 3q25-q26. [provided by RefS eq

Other Designations	homogentisate 1,2-dioxygenase|homogentisicase

Pathway

- Metabolic pathways
- Styrene degradation
- Tyrosine metabolism