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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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HGD purified MaxPab rabbit polyclonal antibody (D01P) MaxPab®

Catalog # : H00003081-D01P

規格 : [100 ug]

[List All](#)

Specification

Product Description: Rabbit 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:
 MAELKYISGFGNECSSEDPKCPGSLPEGQNNPQVCPYNLYAEQLSGSA
 FTCPRSTNKRSWLYRILPSVSHKPFESIDEGHVTWNWDEVDPDPNQLRW
 KPFEIPKASQKKVDFVSLHTLCGAGDIKSNGLAIHIFLCNTSMENRCFY
 NSDGDFLIVPQKGNLLIYTEFGKMLVQPNEICVIQRGMRFSDVFEETRGY
 ILEVYGVHFEPLDLPVIGANGLANPRDFLIPIAWYEDRQVPGGYTVINKYQ
 GKLF AAKQDVSPFNVAWHGNYTPYKYNLKNFMVINSVAFDHADPSIFTV
 LTAKSVRPGVAIDFVIFPPRWGVADKTRPPYYHRNCMSEFMGLIRGHY
 EAKQGGFLPGGSLHSTMTPHGPDADCFEAKSKVKLAPERIADGTMAF
 MFESSLSLAVTKWGLKASRCLDENYHKCWEPLKSHFTPNRNP AEPN

Host: Rabbit

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.

MSDS:  [Download](#)

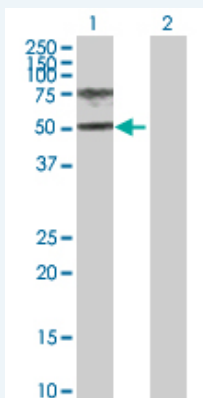
Datasheet:  [Download](#)

Publication Reference

1. [Adaptation of phenylalanine and tyrosine catabolic pathway to hibernation in bats.](#)
 Pan YH, Zhang Y, Cui J, Liu Y, McAllan BM, Liao CC, Zhang SPLoS One. 2013 Apr 19;8(4):e62039. doi: 10.1371/journal.pone.0062039. Print 2013.

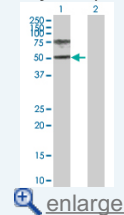
Applications

Western Blot (Transfected lysate)



Application Image

Western Blot (Transfected lysate)



 [enlarge](#)

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

Lane 1: HGD transfected lysate(50.00 KDa).

Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Gene Information

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 the 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 RefSeq]

Other Designations: homogentisate 1,2-dioxygenase,homogentisicase

Gene Pathway

[Metabolic pathways](#) [Styrene degradation](#) [Tyrosine metabolism](#)