

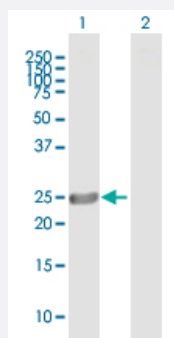
MaxPab®

# ASPH purified MaxPab mouse polyclonal antibody (B02P)

Catalog # H00000444-B02P

Size 50 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of ASPH expression in transfected 293T cell line ([H00000444-T02](#)) by ASPH MaxPab polyclonal antibody.

Lane 1: ASPH transfected lysate(23.1 KDa).

Lane 2: Non-transfected lysate.

## Specification

### Product Description

Mouse polyclonal antibody raised against a full-length human ASPH protein.

### Immunogen

ASPH (NP\_115856.1, 1 a.a. ~ 210 a.a) full-length human protein.

### Sequence

MAEDKETKHGGHKNRKGGLSGTSFFTWFMVIALLGWVTSVAVVWFDLVDYEEVLGKLGMDAD  
GDGDFDVDDAKVLLEGPSGVAKRKTAKVKELTKEELKKEKEKPESRKESKNEERKKGKKEDV  
RKDKKIADADLSRKESPKGKKDREKEKVDLEKSAKTENRKKSTNMKDVSSKMASRDKDDRKE  
SRSSTRYAHLTKGNTQKRNG

### 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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[Protocol Download](#)

## Gene Info — ASPH

Entrez GeneID [444](#)

GeneBank Accession# [NM\\_032467.1](#)

Protein Accession# [NP\\_115856.1](#)

Gene Name ASPH

Gene Alias BAH, CASQ2BP1, HAAH, JCTN, junctin

Gene Description aspartate beta-hydroxylase

Omim ID [600582](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

This gene is thought to play an important role in calcium homeostasis. The gene is expressed from two promoters and undergoes extensive alternative splicing. The encoded set of proteins share varying amounts of overlap near their N-termini but have substantial variations in their C-terminal domains resulting in distinct functional properties. The longest isoforms (a and f) include a C-terminal Aspartyl/Asparaginyl beta-hydroxylase domain that hydroxylates aspartic acid or asparagine residues in the epidermal growth factor (EGF)-like domains of some proteins, including protein C, coagulation factors VII, IX, and X, and the complement factors C1R and C1S. Other isoforms differ primarily in the C-terminal sequence and lack the hydroxylase domain, and some have been localized to the endoplasmic and sarcoplasmic reticulum. Some of these isoforms are found in complexes with calsequestrin, triadin, and the ryanodine receptor, and have been shown to regulate calcium release from the sarcoplasmic reticulum. Some isoforms have been implicated in metastasis. [provided by RefSeq]

**Other Designations** aspartyl/asparaginyl-beta-hydroxylase|humbug|junctate|peptide-aspartate beta-dioxygenase