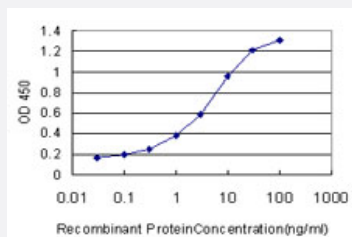


# DIAPH1 monoclonal antibody (M01), clone 5A8

Catalog # H00001729-M01

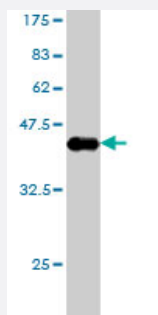
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged DIAPH1 is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.18 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a partial recombinant DIAPH1.
<b>Immunogen</b>	DIAPH1 (NP_005210, 921 a.a. ~ 1024 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	QFSEQVENIKPEIVSVTAACEELRKSESFSNLLLEITLLVGNYMNAGSRNAGAFGFNISFLCKLRDTK STDQKMTLLHFLAELCENDYPDVLKFPDELAHVEKAS
<b>Host</b>	Mouse
<b>Reactivity</b>	Human

Interspecies Antigen Sequence	Mouse (94); Rat (94)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.18 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged DIAPH1 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — DIAPH1

Entrez GeneID	<a href="#">1729</a>
GeneBank Accession#	<a href="#">NM_005219</a>
Protein Accession#	<a href="#">NP_005210</a>
Gene Name	DIAPH1
Gene Alias	DFNA1, DIA1, DRF1, FLJ25265, LFHL1, hDIA1
Gene Description	diaphanous homolog 1 (Drosophila)
Omim ID	<a href="#">124900 602121</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

This gene is a homolog of the Drosophila diaphanous gene, and has been linked to autosomal dominant, fully penetrant, nonsyndromic sensorineural progressive low-frequency hearing loss. Actin polymerization involves proteins known to interact with diaphanous protein in Drosophila and mouse. It has therefore been speculated that this gene may have a role in the regulation of actin polymerization in hair cells of the inner ear. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq]

**Other Designations**

OTTHUMP00000195047|OTTHUMP00000195048|diaphanous 1|diaphanous-1|diaphanous-related formin 1

**Pathway**

- [Focal adhesion](#)
- [Regulation of actin cytoskeleton](#)

**Disease**

- [Celiac Disease](#)
- [Genetic Predisposition to Disease](#)