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# **DIAPH1 Rabbit pAb**

Catalog No.: A5772 1 Publications

### **Basic Information**

# **Observed MW**

178kDa

# **Calculated MW**

141kDa

#### Category

Primary antibody

#### **Applications**

ELISA,WB,IF/ICC

#### **Cross-Reactivity**

Human, Mouse

# **Background**

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.

# **Recommended Dilutions**

**WB** 1:500 - 1:2000

**IF/ICC** 1:50 - 1:100

# **Immunogen Information**

**Gene ID Swiss Prot** 1729 060610

#### **Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 1149-1263 of human DIAPH1 (NP\_001073280.1).

#### **Synonyms**

DIA1; DRF1; DFNA1; LFHL1; SCBMS; hDIA1; mDia1; DIAPH1

#### **Contact**

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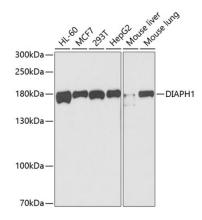
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

# Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.



Western blot analysis of various lysates using DIAPH1 Rabbit pAb (A5772) at 1:1000 dilution.

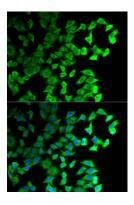
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



Immunofluorescence analysis of U2OS cells using DIAPH1 Rabbit pAb (A5772). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.