

## DIAPH1

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**141kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human DIAPH1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

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**Synonym:**

DIA1; DRF1; DFNA1; LFHL1; hDIA1;

**Catalog #:**A5772

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**1729

**Isotype:**IgG

**Swiss Prot:**O60610

**Purity:**Affinity purification

For research use only.

**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.

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