# antibodies -online.com





Datasheet for ABIN1714749

# anti-EYA4 antibody (AA 301-400)



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Quantity:	100 μL
Target:	EYA4
Binding Specificity:	AA 301-400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EYA4 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

## Product Details

Target:

Alternative Name:

EYA4

EYA4 (EYA4 Products)

Immunogen:	KLH conjugated synthetic peptide derived from human EYA4
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.
Target Details	

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#### Target Details

Bac	kar	ound:

Synonyms: CMD1J, Deafness, autosomal dominant 10, DFNA 10, DFNA10, dJ78N10.1 eyes absent Drosophila homolog 4, dJ78N10.1 eyes absent, EYA 4, eya4, EYA4\_HUMAN, Eyes absent 4, Eyes absent homolog 4 Drosophila, Eyes absent homolog 4, HGNC:3522, OTTHUMP00000040267.

Background: A gene of chromosome 6q23 encodes the 640 amino acid protein, EYA4 (eyes absent) (1). EYA is one of four members of the eyes absent family (1). A 271 amino acid domain at the carboxyl terminal is highly conserved amongst the members of the eyes absent family (1). EYA4 is expressed in the craniofacial mesenchyme, the dermamyotome, and the limb (1). The conserved region in other EYA proteins interacts with SIX, DACH, and G-proteins, which regulate transcription in early embryonic development (1,2,3,4). SIX translocates EYA1-3 to the nucleus, and G-proteins can stop this interaction (3,4). Premature stop codon mutations in EYA4 cause postlingual, progressive autosomal dominant hearing loss in humans (2). This shows that EYA4 is also vital to the mature organ of Corti (2). EYA4 may cause oculo-dento-digital syndrome, based on its expression pattern and map postion (1).

Gene ID:

2070

Pathways:

Sensory Perception of Sound

#### **Application Details**

**Application Notes:** 

ELISA 1:500-1000

IHC-P 1:200-400

IHC-F 1:100-500

IF(IHC-P) 1:50-200

IF(IHC-F) 1:50-200

IF(ICC) 1:50-200

ICC 1:100-500

Restrictions:

For Research Use only

#### Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

## Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months