

EYA2 Rabbit mAb
Catalog # AP76490**Specification**

EYA2 Rabbit mAb - Product Information

Application	WB, IP
Primary Accession	O00167
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	59232

EYA2 Rabbit mAb - Additional Information**Gene ID** 2139**Other Names**
EYA2**Dilution**
WB~~1/500-1/1000
IP~~N/A**Format**
Liquid**EYA2 Rabbit mAb - Protein Information****Name** EYA2**Synonyms** EAB1**Function**

Functions both as protein phosphatase and as transcriptional coactivator for SIX1, and probably also for SIX2, SIX4 and SIX5 (PubMed:<<http://www.uniprot.org/citations/12500905>>12500905, PubMed:<<http://www.uniprot.org/citations/23435380>>23435380). Tyrosine phosphatase that dephosphorylates 'Tyr-142' of histone H2AX (H2AXY142ph) and promotes efficient DNA repair via the recruitment of DNA repair complexes containing MDC1. 'Tyr-142' phosphorylation of histone H2AX plays a central role in DNA repair and acts as a mark that distinguishes between apoptotic and repair responses to genotoxic stress (PubMed:<<http://www.uniprot.org/citations/19351884>>19351884). Its function as histone phosphatase may contribute to its function in transcription regulation during organogenesis. Plays an important role in hypaxial muscle development together with SIX1 and DACH2; in this it is functionally redundant with EYA1 (PubMed:<<http://www.uniprot.org/citations/12500905>>12500905).

Cellular Location

Cytoplasm. Nucleus Note=Retained in the cytoplasm via interaction with GNAZ and GNAI2

(PubMed:10906137). Interaction with SIX1, SIX2, SIX4 or SIX5 is required for translocation to the nucleus (PubMed:10906137, PubMed:12500905).

Tissue Location

Highest expression in muscle with lower levels in kidney, placenta, pancreas, brain and heart

EYA2 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

EYA2 Rabbit mAb - Images

