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Polyclonal Antibody to EYA3 - Aff - Purified

Catalog No.:TA330254Quantity:50 μgBackground:EVA3 is a tyrosine phosphatase that specifically dephosphorylates 'Tyr-142' of histone H2AX (H2AXY142ph). '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. This protein promotes efficient DNA repair by dephosphorylating H2AX, promoting the recruitment of DNA repair complexes containing MDC1. Its function as histone phosphatase probably explains its role in transcription regulation during organogenesis. EVA3 coactivates SIX1, and seems to coactivate SIX2, SIX4 and SIX5. The repression of precursor cell proliferation in myoblasts by SIX1 is switched to activation through recruitment of EVA3 to the SIX1-DACH1 complex and seems to be dependent on EVA3 phosphatase activity.Uniprot ID:0292504NCBI:NP_001981GeneID:2140Host:RabbitInmunogen:The immunogen for anti-EVA3 antibody: synthetic peptide directed towards the middle region of human EVA3. AA Sequence: QSEKEMMTSKINGKEKERAPATSSQDSELEERVFLWDLDETTIIFHSLLTGSYAFormat:State: Lyophilized for PBS Verification: Purified using peptide immunoaffinity column Reconstitution: Add 50 µl of distilled water to a final concentration of 1 mg/ml.Applications:Vestern blotting (0.05 - 0.5 µg/ml) Immunohistochemsitry on paraffin embedded sections (2 - 8 µg/ml) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.Species Reactivity:Tested: Human Expected from sequence similarity: Mouse, Rat, DogStorage:Store lyophilized at 2-8°C for up to one month or in aliquots at -20°C lon	Alternate names:	Eyes absent homolog 3
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For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request. Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com



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TA330254: Polyclonal Antibody to EYA3 - Aff - Purified

Pictures:

WB Suggested Anti-EYA3 Antibody Titration: 0.05-1.0ug/ml; Positive Control: HepG2 cell lysate

Human Skeletal Muscle





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