For Research Use Only

CoraLite® Plus 488-conjugated TFAP2A,AP-2 Monoclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:CL488-67076

Basic Information

Catalog Number:
CL488-67076

Size:
1000 μg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG4112

GenBank Accession Number:
BC017754

GeneID (NCBI):
7020

UNIPROT ID:
P05549

Full Name:
transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha)

Calculated MW:
431 aa, 47 kDa

Observed MW:
47 kDa

Purification Method:
Protein G purification

CloneNo.:
1B12F11

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:

Species Specificity:
Human, mouse, rat

Background Information

The activator protein-2 (AP-2) family of transcription factors comprises five 52-kDa isoforms (AP-2 α , AP-2 β , AP-2 γ , AP-2 δ , and AP-2 ε), which share a common structure: a proline/glutamine-rich transactivation domain in the N-terminal region and a helix-span-helix domain in the C-terminal region, which mediates dimerization and site-specific DNA binding. Depending on the cellular context, the AP-2 transcription factors are individually associated either with cell differentiation and development or with cancer progression/regression. [PMID:21966377] TFAP2A (AP-2-alpha) is the only AP-2 protein required for early morphogenesis of the lens vesicle. Together with the CITED2 coactivator, stimulates the PITX2 P1 promoter transcription activation [PMID:11694877]

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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Selected Validation Data