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Datasheet for ABIN3043420 anti-TFAP2A antibody (AA 1-166)

2 Images



Overview

| Quantity: | 100 µg |
|----------------------|---------------------------------------|
| Target: | TFAP2A |
| Binding Specificity: | AA 1-166 |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TFAP2A antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

| Purpose: | Rabbit IgG polyclonal antibody for Transcription factor AP-2-alpha(TFAP2A) detection. Tested with WB in Human,Rat. |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen: | E.coli-derived human AP2 alpha recombinant protein (Position: M1-G166). Human AP2 alpha shares 98% amino acid (aa) sequence identity with both mouse and rat AP2 alpha. |
| lsotype: | lgG |
| Cross-Reactivity (Details): | No cross reactivity with other proteins. |
| Characteristics: | Rabbit IgG polyclonal antibody for Transcription factor AP-2-alpha(TFAP2A) detection. Tested with WB in Human,Rat. Gene Name: transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha) Protein Name: Transcription factor AP-2-alpha |
| Purification: | Immunogen affinity purified. |

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| Target Details | |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target: | TFAP2A |
| Alternative Name: | TFAP2A (TFAP2A Products) |
| | TFAP2A, also known as AP-2alpha or BOFS, is a protein that in humans is encoded by the TFAP2A gene. It is mapped to 6p24.3. The protein encoded by this gene is a transcription factor that binds the consensus sequence 5'-GCCNNNGGC-3'. The encoded protein functions as either a homodimer or as a heterodimer with similar family members. This protein activates the transcription of some genes while inhibiting the transcription of others. TFAP2A acts as a sequence-specific DNA-binding transcription factor recognizing and binding to the specific DNA sequence and recruiting transcription machinery. This gene is expressed in neural crest cell lineages with the highest levels of expression corresponding to early neural crest cells, suggesting that TFAP2A plays a role in their differentiation and development. Synonyms: Activating enhancer binding protein 2 alpha antibody Activating enhancer-binding protein 2-alpha antibody Activator protein 2 antibody AP 2 transcription factor antibody AP |
| | 2alpha antibody AP-2 antibody AP-2 transcription factor antibody AP2 antibody AP2 Transcription Factor antibody AP2-alpha antibody AP2A_HUMAN antibody AP2TF antibody BOFS antibody FLJ51761 antibody TFAP 2 antibody TFAP 2A antibody TFAP2 antibody TFAP2A antibody Transcription factor AP 2 alpha (activating enhancer binding protein 2 alpha) antibody Transcription factor AP-2-alpha antibody Transcription factor AP2 alpha antibody |
| Gene ID: | 7020 |
| UniProt: | P05549 |
| Pathways: | Caspase Cascade in Apoptosis, EGFR Signaling Pathway, Response to Water Deprivation, Sensory Perception of Sound, Tube Formation, Embryonic Body Morphogenesis, Brown Fat Cell Differentiation, Lipid Metabolism |
| Application Details | |
| Application Notes: | WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, The detection limit for AP2 alpha is approximately 0.25 ng/lane under reducing conditions. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users. |
| Comment: | Antibody can be supported by chemiluminescence kit ABIN921124 in WB. |
| Restrictions: | For Research Use only |

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Handling

| Format: | Lyophilized |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reconstitution: | Add 0.2 mL of distilled water will yield a concentration of 500 μ g/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing. |

Images



Western Blotting

Image 1. Anti-AP2 alpha Picoband antibody, All lanes: Anti AP2A at 0.5ug/ml WB: Rat Spleen Tissue Lysate at 50ug Predicted bind size: 48KD Observed bind size: 48KD

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| 97KD — |
|----------|
| 58KD — |
| 40KD — 🕳 |
| 29KD — |
| 20KD — |
| 14KD - |

Western Blotting

Image 2. Anti-AP2 alpha Picoband antibody, All lanes: Anti AP2A at 0.5ug/ml WB: Recombinant Human AP2A Protein 0.5ng Predicted bind size: 38KD Observed bind size: 38KD

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