

Datasheet for ABIN2779406 anti-IRF6 antibody (Middle Region)



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2 Images

1 Publication

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | IRF6 |
| Binding Specificity: | Middle Region |
| Reactivity: | Human, Mouse, Rat, Dog, Rabbit, Horse, Cow, Guinea Pig, Sheep, Zebrafish (Danio rerio), Pig |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This IRF6 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the middle region of human IRF6 |
| Sequence: | IPVVARMIYE MFSGDFTRSF DSGSVRLQIS TPDIKDNIVA QLKQLYRILQ |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Zebrafish: 85% |
| Characteristics: | This is a rabbit polyclonal antibody against IRF6. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

Target Details

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| Target: | IRF6 |
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Target Details

Alternative Name: IRF6 ([IRF6 Products](#))

Background: IRF6 is a member of the interferon regulatory transcription factor (IRF) family. Family members share a highly-conserved N-terminal helix-turn-helix DNA-binding domain and a less conserved C-terminal protein-binding domain. Mutations in its gene can cause van der Woude syndrome and popliteal pterygium syndrome. This protein is involved in palate formation. The protein encoded by this gene shares strong similarity with *Saccharomyces cerevisiae* Cdc23, a protein essential for cell cycle progression through the G2/M transition. This protein is a component of anaphase-promoting complex (APC), which is composed of eight protein subunits and highly conserved in eucaryotic cells. APC catalyzes the formation of cyclin B-ubiquitin conjugate that is responsible for the ubiquitin-mediated proteolysis of B-type cyclins. This protein and 3 other members of the APC complex contain the TPR (tetratricopeptide repeat), a protein domain important for protein-protein interaction. This gene encodes a member of the interferon regulatory transcription factor (IRF) family. Family members share a highly-conserved N-terminal helix-turn-helix DNA-binding domain and a less conserved C-terminal protein-binding domain. Mutations in this gene can cause van der Woude syndrome and popliteal pterygium syndrome. This protein is involved in palate formation. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Alias Symbols: LPS, OFC6, PIT, PPS, VWS, VWS1

Protein Interaction Partner: HHV8GK18_gp81, UBC, BNC2, IRF5, IRF8, ZBTB3, RFX3, TLX2, LBP,

Protein Size: 467

Molecular Weight: 53 kDa

Gene ID: 3664

NCBI Accession: [NM_006147](#), [NP_006138](#)

UniProt: [O14896](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 467 AA

Restrictions: For Research Use only

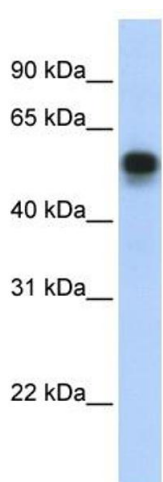
Handling

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| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| 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 freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Publications

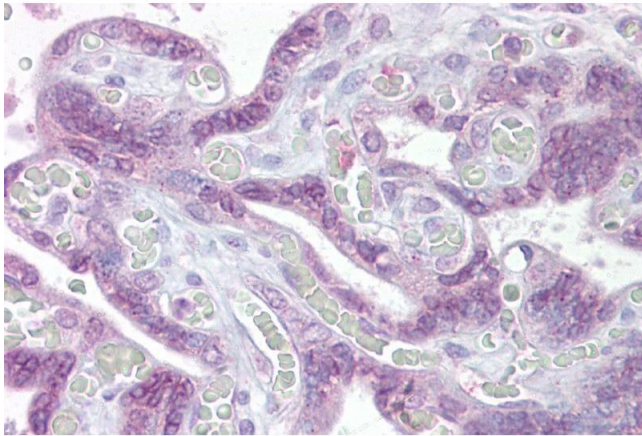
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| Product cited in: | Zhang, Muralimanoharan, Wortman, Mendelson: "Primate-specific miR-515 family members inhibit key genes in human trophoblast differentiation and are upregulated in preeclampsia." in: Proceedings of the National Academy of Sciences of the United States of America , (2016) (PubMed). |
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Images



Western Blotting

Image 1. WB Suggested Anti-IRF6 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: Transfected 293T



Immunohistochemistry

Image 2. Immunohistochemistry with Placenta tissue at an antibody concentration of 5µg/ml using anti-IRF6 antibody (ARP31995_P050)