

## **Product datasheet for TA343582**

## **IRF6 Rabbit Polyclonal Antibody**

## **Product data:**

**Product Type:** Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

Host: Rabbit

**Isotype:** IgG

Clonality: Polyclonal

**Immunogen:** The immunogen for anti-IRF6 antibody: synthetic peptide directed towards the N terminal of

human IRF6. Synthetic peptide located within the following region: ALHPRRVRLKPWLVAQVDSGLYPGLIWLHRDSKRFQIPWKHATRHSPQQE

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

**Purification:** Affinity Purified

Conjugation: Unconjugated

**Store** at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

Predicted Protein Size: 53 kDa

**Gene Name:** interferon regulatory factor 6

Database Link: NP 006138

Entrez Gene 3664 Human

<u>O14896</u>



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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 Btype 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 RefSeg record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Synonyms: LPS; OFC6; PIT; PPS; PPS1; VWS; VWS1

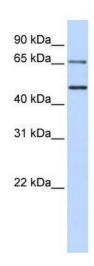
**Note:** Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human:

100%; Mouse: 100%; Sheep: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig:

100%

**Protein Families:** ES Cell Differentiation/IPS, Transcription Factors

## **Product images:**



WB Suggested Anti-IRF6 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 1562500; Positive Control: 293T cell lysate