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Trp63 (mouse) Antibody (C or N-Term)

Peptide-affinity purified goat antibody
Catalog # AF3755a

Specification

Trp63 (mouse) Antibody (C or N-Term) - Product Information

Application	**WB, E**
Primary Accession	Q9H3D4
Other Accession	NP_035771.1, NP_001120736.1, NP_001120734.1, NP_001120735.1, NP_001120737.1, 8626, 22061 (mouse), 246334 (rat)
Reactivity	**Human**
Predicted	**Mouse, Rat, Pig, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**76785**

Trp63 (mouse) Antibody (C or N-Term) - Additional Information

Gene ID 8626

Other Names
Tumor protein 63, p63, Chronic ulcerative stomatitis protein, CUSP, Keratinocyte transcription factor KET, Transformation-related protein 63, TP63, Tumor protein p73-like, p73L, p40, p51, TP63, KET, P63, P73H, P73L, TP73L

Dilution
WB~~1:1000
E~~N/A

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Trp63 (mouse) Antibody (C or N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Trp63 (mouse) Antibody (C or N-Term) - Protein Information

Name TP63

Synonyms KET, P63, P73H, P73L, TP73L

Function
Acts as a sequence specific DNA binding transcriptional activator or repressor. The isoforms contain a varying set of transactivation and auto-regulating transactivation inhibiting domains thus showing an isoform specific activity. Isoform 2 activates RIPK4 transcription. May be required in conjunction with TP73/p73 for initiation of p53/TP53 dependent apoptosis in response to genotoxic insults and the presence of activated oncogenes. Involved in Notch signaling by probably inducing JAG1 and JAG2. Plays a role in the regulation of epithelial morphogenesis. The ratio of DeltaN-type and TA*-type isoforms may govern the maintenance of epithelial stem cell compartments and regulate the initiation of epithelial stratification from the undifferentiated embryonal ectoderm. Required for limb formation from the apical ectodermal ridge. Activates transcription of the p21 promoter.

Cellular Location
Nucleus

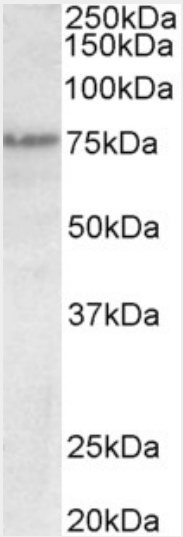
Tissue Location
Widely expressed, notably in heart, kidney, placenta, prostate, skeletal muscle, testis and thymus, although the precise isoform varies according to tissue type. Progenitor cell layers of skin, breast, eye and prostate express high levels of DeltaN-type isoforms. Isoform 10 is predominantly expressed in skin squamous cell carcinomas, but not in normal skin tissues

Trp63 (mouse) Antibody (C or N-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Trp63 (mouse) Antibody (C or N-Term) - Images



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AF3755a (0.3 µg/ml) staining of A431 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Trp63 (mouse) Antibody (C or N-Term) - Background

This antibody is expected to recognize reported isoforms d, e, f, g, h. (NP_035771.1; NP_001120736.1; NP_001120734.1; NP_001120735.1; NP_001120737.1).

Trp63 (mouse) Antibody (C or N-Term) - References

14-3-3? and p63 play opposing roles in epidermal tumorigenesis. Li Q, Sambandam SA, Lu HJ, Thomson A, Kim SH, Lu H, Xin Y, Lu Q. Carcinogenesis. 2011 Dec;32(12):1782-8. PMID 21926108