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POU2F3 Rabbit pAb

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Catalog # AP57840

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9UKI9
Reactivity	Rat, Mouse
Predicted	Dog, Human, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47432
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human POU2F3
Epitope Specificity	1-100/436
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the POU domain family of transcription factors. POU domain transcription factors bind to a specific octamer DNA motif and regulate cell type-specific differentiation pathways. The encoded protein is primarily expressed in the epidermis, and plays a critical role in keratinocyte proliferation and differentiation. The encoded protein is also a candidate tumor suppressor protein, and aberrant promoter methylation of this gene may play a role in cervical cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Sep 2011]

Additional Information

Gene ID	25833
Other Names	POU domain, class 2, transcription factor 3, Octamer-binding protein 11 {ECO:0000303|Ref.2}, Oct-11 {ECO:0000303|Ref.2}, Octamer-binding transcription factor 11, OTF-11, Transcription factor PLA-1 {ECO:0000303|Ref.3}, Transcription factor Skn-1, POU2F3 (HGNC:19864), OTF11, PLA1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

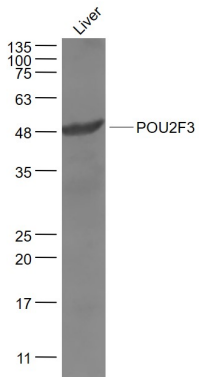
Protein Information

Name	POU2F3 (HGNC:19864)
Synonyms	OTF11, PLA1
Function	Transcription factor that binds to the octamer motif (5'- ATTTGCAT-3') and regulates cell type-specific differentiation pathways. Involved in the regulation of keratinocytes differentiation (PubMed:11329378). The POU2F3-POU2AF2/POU2AF3 complex drives the expression of tuft-cell-specific genes, a rare chemosensory cells that coordinate immune and neural functions within mucosal epithelial tissues (PubMed:35576971).
Cellular Location	Nucleus {ECO:0000250|UniProtKB:P31362}.
Tissue Location	Specifically expressed in epidermis and cultured keratinocytes.

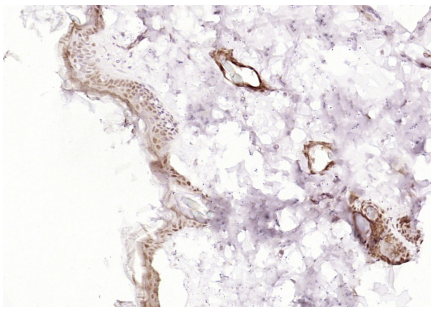
Background

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Images



Sample:
Liver (Mouse) Lysate at 40 ug
Primary: Anti- POU2F3 (AP57840) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 47 kD
Observed band size: 48 kD



Paraformaldehyde-fixed, paraffin embedded (rat skin); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (POU2F3) Polyclonal Antibody, Unconjugated (AP57840) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.