

POU2F3 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57840

Specification

POU2F3 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9UKI9
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47 KDa
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.
SIMILARITY	Belongs to the POU transcription factor family. Class-2 subfamily. Contains 1 homeobox DNA-binding domain. Contains 1 POU-specific domain.
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]

POU2F3 Polyclonal Antibody - Additional Information

Gene ID 25833

Other Names

POU domain, class 2, transcription factor 3, Octamer-binding protein 11, Oct-11, Octamer-binding transcription factor 11, OTF-11, Transcription factor PLA-1, Transcription factor Skn-1, POU2F3, OTF11, PLA1

Target/Specificity

Specifically expressed in epidermis and cultured keratinocytes.

Dilution

WB~~1:1000
IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
ICC~~N/A
E~~N/A

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.

POU2F3 Polyclonal Antibody - 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}.

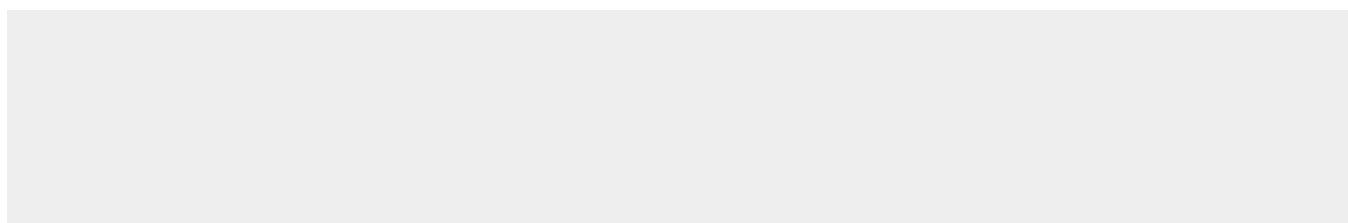
Tissue Location

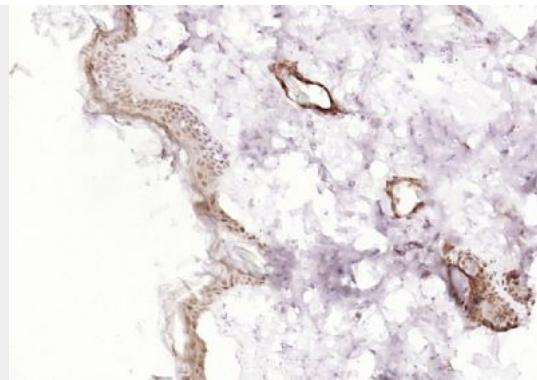
Specifically expressed in epidermis and cultured keratinocytes.

POU2F3 Polyclonal Antibody - Protocols

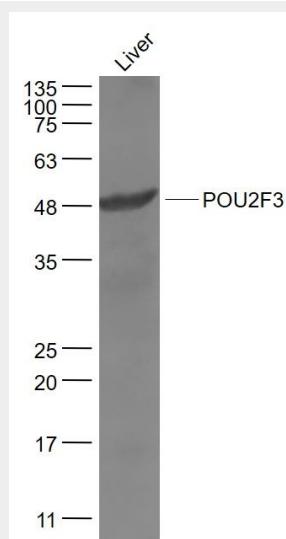
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

POU2F3 Polyclonal Antibody - Images



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 (bs-21046R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**Sample:**

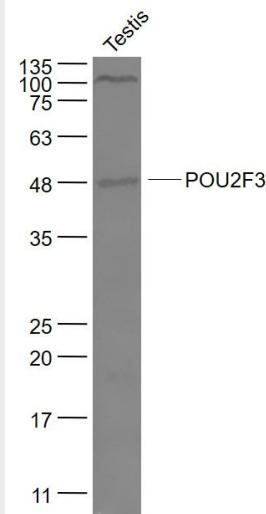
Liver (Mouse) Lysate at 40 ug

Primary: Anti- POU2F3 (bs-21046R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 47 kD

Observed band size: 48 kD

**Sample:**

Testis (Mouse) Lysate at 40 ug

Primary: Anti- POU2F3 (bs-21046R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 47 kD

Observed band size: 48 kD