

**RIPK4 (ANKRD3) Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP7808b**

### Specification

#### RIPK4 (ANKRD3) Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	<a href="#">P57078</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	91611
Antigen Region	802-832

#### RIPK4 (ANKRD3) Antibody (C-term) - Additional Information

##### Other Names

Receptor-interacting serine/threonine-protein kinase 4, Ankyrin repeat domain-containing protein 3, PKC-delta-interacting protein kinase, RIPK4, ANKRD3, DIK

##### Target/Specificity

This RIPK4 (ANKRD3) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 802-832 amino acids from the C-terminal region of human RIPK4 (ANKRD3).

##### Dilution

WB~~1:1000  
IHC-P~~1:50~100  
E~~Use at an assay dependent concentration.

##### Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

##### Storage

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

##### Precautions

RIPK4 (ANKRD3) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

#### RIPK4 (ANKRD3) Antibody (C-term) - Protein Information

**Name** RIPK4

**Synonyms** ANKRD3, DIK

**Function** Serine/threonine protein kinase (By similarity). Required for embryonic skin development and correct skin homeostasis in adults, via phosphorylation of PKP1 and subsequent promotion of keratinocyte differentiation and cell adhesion (By similarity). It is a direct transcriptional target of TP63 (PubMed:[22197488](#)). Plays a role in NF- kappa-B activation (PubMed:[12446564](#)).

**Cellular Location**

Cytoplasm. Membrane; Peripheral membrane protein

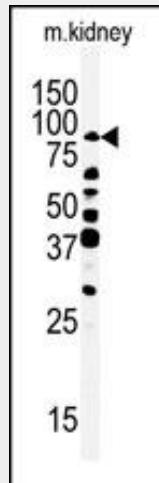
**Tissue Location**

Expressed in hair follicles and skin.

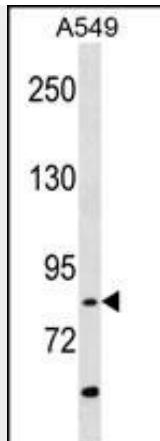
**RIPK4 (ANKRD3) Antibody (C-term) - Protocols**

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

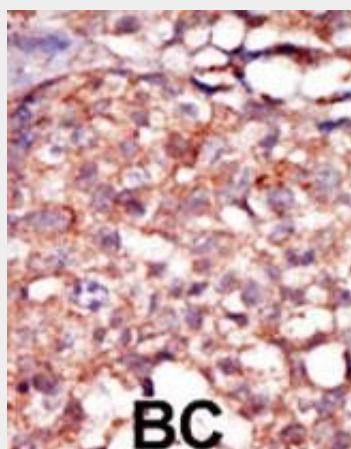
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**RIPK4 (ANKRD3) Antibody (C-term) - Images**

Western blot analysis of anti-ANKRD3-Q817 Pab (Cat. #AP7808b) in mouse kidney tissue lysate (35ug/lane). ANKRD3-Q817 (arrow) was detected using the purified Pab.



ANKRD3 Antibody (Q817) (Cat. #AP7808b) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the ANKRD3 antibody detected the ANKRD3 protein (arrow).



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

#### **RIPK4 (ANKRD3) Antibody (C-term) - Background**

The protein encoded by this gene is a serine/threonine protein kinase that interacts with protein kinase C-delta. The encoded protein can also activate NFkappaB and is required for keratinocyte differentiation. This kinase undergoes autophosphorylation.

#### **RIPK4 (ANKRD3) Antibody (C-term) - References**

Hattori, M., et al., Nature 405(6784):311-319 (2000).

#### **RIPK4 (ANKRD3) Antibody (C-term) - Citations**

- [m6A-modified RIPK4 facilitates proliferation and cisplatin resistance in epithelial ovarian cancer](#)