



# Rabbit Anti-Human ACKR4 (C-Term) Polyclonal antibody (DPAB-CTM25073)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	The ACKR4 receptor antibody is directed against the distal end of the carboxyl-terminal tail of human Atypical Chemokine Receptor 4. It can be used to detect total ACKR4 receptors in Western blots independent of phosphorylation. The ACKR4 antibody can also be used to detect ACKR4 in formalin-fixed, paraffin-embedded tissue sections by immunohistochemistry.
<b>Specificity</b>	Specific for Human ACKR4 (C-Term).
<b>Target</b>	Human ACKR4 (C-Term)
<b>Immunogen</b>	A synthetic peptide presents distal end of carboxyl-terminal tail of human ACKR4.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB 1:1000 IHC 1:100
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	Dulbecco's PBS, pH 7.4, with 150 mM NaCl, 0.02% sodium azide
<b>Preservative</b>	0.02% sodium azide

**Storage** Short-term 4°C, long-term -20°C.

---

## BACKGROUND

**Introduction** ACKR4 (Atypical Chemokine Receptor 4) is a seven-transmembrane,  $\beta$ -arrestin-biased "scavenger" receptor that binds and internalizes CC-chemokines CCL19, CCL21, CCL25 and CCL20 without classical G-protein signaling. Expressed on lymphatic endothelial cells, thymic epithelium, skin and tumor tissues, ACKR4 shapes chemokine gradients to control dendritic-cell trafficking, memory T-cell positioning, and the resolution of inflammation; its loss exacerbates cardiac fibrosis and enhances anti-tumor immunity, positioning it as a therapeutic target for fibrosis, autoimmunity and cancer.

---

**Keywords** ACKR4; Atypical Chemokine Receptor 4; PPR1; CCBP2; CCR10; CCR11; CCRL1; VSHK1; CCR-11; CKR-11

---

## GENE INFORMATION

**UniProt ID** Q9NPB9

---