

DATASHEET

CD167b Rabbit Polyclonal Antibody

CAT. NO. APA13839

KEY FEATURES

Target	CD167b	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Tyrosine kinase involved in the regulation of tissues remodeling . It functions as a cell surface receptor for fibrillar collagen and regulates cell differentiation, remodeling of the extracellular matrix, cell migration and cell proliferation. Required for normal bone development. Regulates osteoblast differentiation and chondrocyte maturation via a signaling pathway that involves MAP kinases and leads to the activation of the transcription factor RUNX2. Regulates remodeling of the extracellular matrix by up-regulation of the collagenases MMP1, MMP2 and MMP13, and thereby facilitates cell migration and tumor cell invasion. Promotes fibroblast migration and proliferation, and thereby contributes to cutaneous wound healing.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

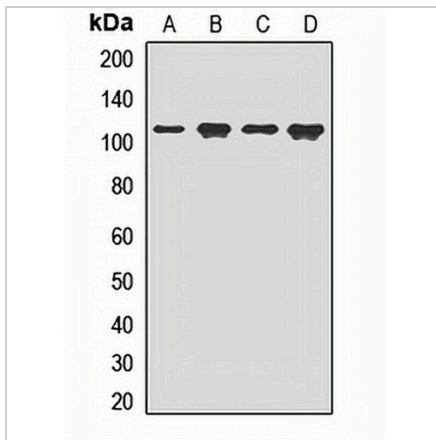
Description	Rabbit polyclonal antibody to CD167b
Specificity	Recognizes endogenous levels of CD167b protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CD167b
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 96 kD; Observed: 105 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	NTRKR3; TKT; TYRO10; Discoidin domain-containing receptor 2; Discoidin domain receptor 2; CD167 antigen-like family member B; Discoidin domain-containing receptor tyrosine kinase 2; Neurotrophic tyrosine kinase, receptor-related 3; Receptor protein-tyrosine kinase TKT; Tyrosine-protein kinase TYRO10; CD167b
Gene Symbol	DDR2
Entrez Gene	4921(Human); 18214(Mouse)
SwissProt	Q16832(Human); Q62371(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of CD167b expression in HeLa (A), A375 (B), mouse heart (C), rat lung (D) whole cell lysates. (Predicted band size: 96 kD; Observed band size: 105 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.