

Datasheet for ABIN7539277 **anti-ROR2 antibody**

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Overview

Quantity:	100 µg
Target:	ROR2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Purpose:	ROR2 antibody
Immunogen:	Recombinant Human sROR2
Purification:	Protein A purified

Target Details

Target:	ROR2
Alternative Name:	ROR2 (ROR2 Products)
Background:	Neurotrophic tyrosine kinase, receptor-related 2, ROR2 is a signaling receptor for Wnt ligands that is known to play important roles in limb development, but having no essential roles known in adult tissues. Recent evidence has implicated ROR2 in mediating both canonical and non-canonical signaling pathways. ROR2 was initially found to be highly expressed in osteosarcoma and renal cell carcinomas, and has recently been found in an increasingly long list of cancers currently including melanoma, colon cancer, melanoma, squamous cell carcinoma of the head

Target Details

and neck, and breast cancer. In the majority of these cancer types, ROR2 expression is associated with more aggressive disease states, consistent with a role mediating Wnt signaling regardless of the canonical or non-canonical signal. Because of the pattern of tissue distribution, the association with high-risk diseases, and the cell surface localization of this receptor, ROR2 has been identified as a potential high value target for therapeutic development. However, the recent discovery that ROR2 may function through non-kinase activities challenges this strategy and opens up opportunities to target this important molecule through alternative means.

Gene ID:	4920
NCBI Accession:	NM_004560 , NP_004551
UniProt:	Q01974
Pathways:	RTK Signaling , WNT Signaling

Application Details

Application Notes:	Western Blot: Use 1-5 µg/mL
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL.
Buffer:	PBS
Storage:	4 °C, -20 °C
Storage Comment:	The lyophilized antibody is stable for at least 2 years at -20°C. After sterile reconstitution the antibody is stable at 2-8°C for up to 6 months. Frozen aliquots are stable for at least 6 months when stored at -20°C. Addition of a carrier protein or 50% glycerol is recommended for frozen aliquots.
Expiry Date:	24 months