

# ROC1 Polyclonal Antibody

Catalog Number34-2500

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Published species	Virus, Human, Not Applicable
Class	Polyclonal	Tested Applications	Dilution *
Type	Antibody	Immunoprecipitation (IP)	Assay-dependent
Immunogen	specific to Human ROC1C	Western Blot (WB)	Assay-dependent
Conjugate	Unconjugated	Published Applications	
Form	Liquid	Western Blot (WB)	See 3 publications below
Concentration	0.25 mg/mL	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Purification	Antigen affinity chromatography		
Storage buffer	PBS, pH 7.4		
Contains	0.1% sodium azide		
Storage Conditions	-20°C		

## Background/Target Information

This locus encodes a RING finger-like domain-containing protein. The encoded protein interacts with cullin proteins and likely plays a role in ubiquitination processes necessary for cell cycle progression. This protein may also affect protein turnover. Related pseudogenes exist on chromosomes 2 and 5.

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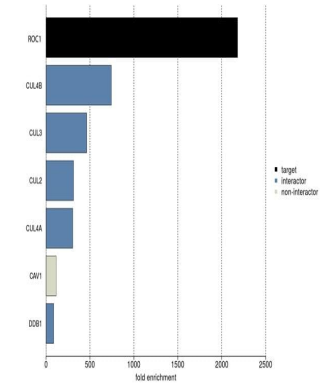
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Product Images For ROC1 Polyclonal Antibody

**ROC1 Antibody (34-2500)**  
IP-MS enrichment of ROC1 (LFQ intensity): ROC1 was enriched 2180-fold from BT549 lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and ROC1 antibody (Product # 34-2500). The STRING database ([www.string-db.org](http://www.string-db.org)) was used to identify the protein interactor list. See more information on IP-MS verification of antibody selectivity. {IP-MS}



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PubMed References For ROC1 Polyclonal Antibody

3 Western Blot References

Species / Dilution	Summary
Human / 1:300	342500 was used in western blot to identify and characterize an inhibitor of the COP9 signalosome
	Nature communications ( 2016; 7: ) <b>"Targeted inhibition of the COP9 signalosome for treatment of cancer."</b> Author(s):Schlierf A,Altmann E,Quancard J,Jefferson AB,Assenberg R,Renatus M,Jones M,Hassiepen U,Schaefer M,Kiffe M,Weiss A,Wiesmann C,Sedrani R,Eder J,Martoglio B PubMed Article URL: <a href="http://dx.doi.org/10.1038/ncomms13166">http://dx.doi.org/10.1038/ncomms13166</a>
	34-2500 was used in Western Blotting to study how PARK2 regulates cyclin-CDK complexes, as does the CDK inhibitor p16, but acts as a master regulator of the stability of G1/S cyclins.
Human / Not Cited	Nature genetics ( 2014; 46: 588) <b>"Pan-cancer genetic analysis identifies PARK2 as a master regulator of G1/S cyclins."</b> Author(s):Gong Y,Zack TI,Morris LG,Lin K,Hukkelhoven E,Raheja R,Tan IL,Turcan S,Veeriah S,Meng S,Viale A,Schumacher SE,Palmedo P,Beroukhim R,Chan TA PubMed Article URL: <a href="http://dx.doi.org/10.1038/ng.2981">http://dx.doi.org/10.1038/ng.2981</a>
	The Journal of biological chemistry ( 2012; 287: 29679) <b>"Deconjugation of Nedd8 from Cul1 is directly regulated by Skp1-F-box and substrate, and the COP9 signalosome inhibits deneddylated SCF by a noncatalytic mechanism."</b> Author(s):Emberley ED,Mosadeghi R,Deshaies RJ PubMed Article URL: <a href="http://dx.doi.org/10.1074/jbc.M112.352484">http://dx.doi.org/10.1074/jbc.M112.352484</a>

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