

Datasheet: VPA00054KT

Description:	IQGAP1 ANTIBODY WITH CONTROL LYSATE
Specificity:	IQGAP1
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	2 Westerns

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Mouse, Rat</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
Product Form	Purified IgG - liquid
Preparation	20µl Goat polyclonal antibody purified by affinity chromatography
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	<p>0.02% Sodium Azide (NaN₃)</p> <p>0.5% Bovine Serum Albumin</p>
Immunogen	Peptide sequence C-KRQSGQTDPLQKEE, from the internal region of the protein

sequence.

External Database**Links****UniProt:**[P46940](#)[Related reagents](#)**Entrez Gene:**[8826](#)

IQGAP1

[Related reagents](#)

Synonyms

KIAA0051

Specificity

Goat anti Human IQGAP1 antibody recognizes human IQGAP1, a member of the IQGAP family. IQGAP1 is scaffold protein of, among others, the MAPK pathway, binding three consecutive signaling molecules RAF, MEK and ERK and thereby facilitating their interaction. Through this role in a core signaling network, IQGAP has major impact on cytoskeletal reorganization, proliferation, cell motility and invasion ([White et al., 2012](#)).

Researchers have identified IQGAP1 as important to the hyperactive MAPK signaling associated with several forms of cancer ([Jameson et al., 2013](#)).

Goat anti Human IQGAP1 detects IQGAP1 as a band of 189 kDa in a range of human cell line lysates. Cross reactivity with rodent cell lines is also observed.

Western Blotting

Goat anti IQGAP1 detects a band of approximately 189 kDa in HeLa cell lysates.

Instructions For Use

Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

Lysate Composition

400µg HeLa lysate lyophilized in RIPA buffer.

Lysate Reconstitution

- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.
- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.
Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.

Storage

Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.

Guarantee

As supplied, 12 months from date of despatch.

Acknowledgements

PrecisionAb™ is a trademark of Bio-Rad Laboratories.

Health And Safety Information

Material Safety Datasheet documentation #10058 #10561 available at:

Antibody (10058): <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

Related Products

Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

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'M351864:190318'

Printed on 09 Feb 2021