

Datasheet: VPA00019KT

Description:	FYN ANTIBODY WITH CONTROL LYSATE
Specificity:	FYN
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

Reacts with: Mouse, Rat

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.

Product Form

Purified IgG - liquid

Preparation

20µl Goat polyclonal antibody purified by ammonium sulfate precipitation followed by antigen affinity chromatography

Buffer Solution

TRIS buffered saline

Preservative Stabilisers

0.02% Sodium Azide (NaN₃)
0.5% Bovine Serum Albumin

Immunogen Peptide sequence C-VQCKDKEATKLTE from the N-terminal region of FYN

External Database

Links

UniProt:

[P06241](#) [Related reagents](#)

Entrez Gene:

[2534](#) FYN [Related reagents](#)

Specificity

Goat anti Human FYN antibody recognizes an epitope within the N-terminal (NT) region of proto-oncogene Tyrosine-protein kinase Fyn encoded by the FYN gene, also known as proto-oncogene Syb or c-Fyn. Human c-Fyn is a 537 amino acid, ~60 kDa, cell membrane non-receptor protein tyrosine kinase and member of the Tyr protein kinase family, SRC subfamily. Fyn contains single [protein kinase](#), [SH2](#) and [SH3](#) domains and shares strong similarities with mouse FYN, v-yes and c-src.

c-Fyn plays roles in many biological processes including cell growth ([Yasunaga et al. 1996](#)), adhesion ([Chapman et al. 2012](#)), re-modelling ([Wang et al. 2012](#)), motility ([Yadav et al. 2011](#)) and the immune response ([Oykhman et al. 2013](#)).

The immunogen sequence used for the generation of this Goat anti c-Fyn polyclonal antibody is well conserved across a very wide range of mammalian species and the polyclonal anti c-Fyn antibody is expected to have a wide species pattern of reactivity.

Goat anti Human FYN antibody recognizes human FYN as a single band of ~60 kDa in multiple human cell line lysates by western blotting under reducing conditions. It also cross-reacts with rodent cell line lysates tested.

Western Blotting

Anti FYN antibody detects a band of approximately 60 kDa in HepG2 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 HepG2 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>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

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