

Datasheet: VPA00514KT

Description:	HRS / HGS ANTIBODY WITH CONTROL LYSATE
Specificity:	HRS / HGS
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</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>0.09% Sodium Azide (NaN₃)</p> <p>0.5% Bovine Serum Albumin.</p>
Immunogen	Peptide sequence C-NRNYWEKKQEEARK

**External Database
Links**

UniProt:

[O14964](#)

[Related reagents](#)

Entrez Gene:

[9146](#)

HGS

[Related reagents](#)

Synonyms

HRS

Specificity

Goat anti Human HRS / HGS antibody recognizes HRS / HGS, also known as human growth factor-regulated tyrosine kinase substrate or protein pp110.

The protein encoded by HGS regulates endosomal sorting and plays a critical role in the recycling and degradation of membrane receptors. The encoded protein sorts monoubiquitinated membrane proteins into the multivesicular body, targeting these proteins for lysosome-dependent degradation (provided by RefSeq, Dec 2010).

Goat anti Human HRS / HGS antibody detects a band of 110 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti HRS / HGS detects a band of approximately 110 kDa in HEK293 cell lysates.

Instructions For Use

Please refer to the [PrecisionAb western blotting protocol](#).

Lysate Composition

400µg HEK293 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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