

## Datasheet: VPA00476KT

<b>Description:</b>	FGFR2 ANTIBODY WITH CONTROL LYSATE
<b>Specificity:</b>	FGFR2
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid.
<b>Preparation</b>	20µl Rabbit polyclonal antibody purified by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 2% Sucrose.
<b>Immunogen</b>	Synthetic peptide directed towards the C terminal region of human FGFR2

#### External Database Links

##### UniProt:

[P21802](#)    [Related reagents](#)

##### Entrez Gene:

[2263](#)    FGFR2    [Related reagents](#)

<b>Synonyms</b>	BEK, KGFR, KSAM
<b>Specificity</b>	<p><b>Rabbit anti Human FGFR2 antibody</b> recognizes fibroblast growth factor receptor 2 (FGFR2), also known as BEK fibroblast growth factor receptor, keratinocyte growth factor receptor or CD332.</p> <p>The protein encoded by the FGFR2 gene is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein consists of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member is a high-affinity receptor for acidic, basic and/or keratinocyte growth factor, depending on the isoform. Mutations in FGFR2 are associated with many forms of Craniosynostosis, including Crouzon syndrome (<a href="#">CS</a>), Pfeiffer syndrome (<a href="#">PS</a>), Apert syndrome (<a href="#">APRS</a>), Jackson-Weiss syndrome (<a href="#">JWS</a>), Beare-Stevenson cutis gyrata syndrome (<a href="#">BSTVS</a>), Saethre-Chotzen syndrome (<a href="#">SCS</a>), and Familial scaphocephaly syndrome (<a href="#">FSPC</a>). Multiple alternatively spliced transcript variants encoding different isoforms have been noted for FGFR2 (provided by RefSeq, Jan 2009).</p> <p>Rabbit anti Human FGFR2 antibody detects a band of 92 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
<b>Western Blotting</b>	Anti FGFR2 detects a band of approximately 92 kDa in Jurkat cell lysates.
<b>Instructions For Use</b>	Please refer to the <a href="#">PrecisionAb western blotting protocol</a> .
<b>Lysate Composition</b>	400µg Jurkat lysate lyophilized in RIPA buffer.
<b>Lysate Reconstitution</b>	<p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>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.</p>
<b>Storage</b>	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>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.</p>
<b>Guarantee</b>	As supplied, 12 months from date of despatch.
<b>Acknowledgements</b>	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
<b>Health And Safety</b>	Material Safety Datasheet documentation #10045 #10561 available at:

**Information** Antibody (10045): <https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf>  
Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

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**Regulatory** For research purposes only.

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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