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<b>Catalog Number:</b>	GT41003	<b>Host:</b>	Goat
<b>Product Type:</b>	Affinity Purified Antibody	<b>Species Reactivity:</b>	Human
<b>Immunogen Sequence:</b>	Peptide with sequence C-RKFKRRNQERLNPRD, from the internal region of the protein sequence according to NP_001096.1.	<b>Format:</b>	Liquid 0.5 mg/ml. Tris saline, 0.02% sodium azide, pH 7.3, 0.5% BSA
<b>Applications:</b>	Immunohistochemistry: 4-6 µg/ml. Western Blotting: 0.3-1 µg/ml. Peptide ELISA: 1:4000.		
	Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.		
<b>Storage:</b>	Aliquot and store at -20°C. <i>Avoid repeated freeze-thaw cycles.</i>		
<b>References:</b>	Shore EM, Xu M, Feldman GJ, Fenstermacher DA, Cho TJ, Choi IH, Connor JM, Delai P, Glaser DL, LeMerrer M, Morhart R, Rogers JG, Smith R, Triffitt JT, Urtizberea JA, Zasloff M, Brown MA, Kaplan FS. A recurrent mutation in the BMP type I receptor ACVR1 causes inherited and sporadic fibrodysplasia ossificans progressiva. <i>Nat Genet.</i> 2006 May;38(5):525-7. Epub 2006 Apr 23. Erratum in: <i>Nat Genet.</i> 2007		

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### Application Notes

#### Specificity

This antibody is designed to work in the following applications.

#### Immunohistochemistry:

In paraffin embedded Human Testis shows preferential staining of cytoplasm in primary spermatocytes using steamed antigen retrieval with citrate buffer pH 6 and Alkaline Phosphatase (AP) staining.

#### Western Blotting:

Approx 60kDa band observed in Human Umbilical Cord lysates (calculated MW of 57.2kDa according to NP\_001096.1).

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Neuromics • 5325 West 74<sup>th</sup> Street, Suite 8 • Edina, MN 55439  
phone 866-350-1500 • fax 612-677-3976 • e-mail [pshuster@neuromics1.com](mailto:pshuster@neuromics1.com)