

**bs-24629R****[ Primary Antibody ]****Bioss**  
**ANTIBODIES**

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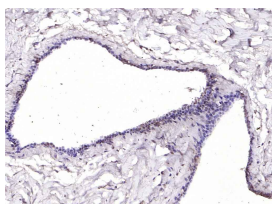
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**ERK5 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:400-800) <b>IHC-F</b> (1:400-800) <b>IF</b> (1:100-500)  <b>Reactivity:</b> Human (predicted: Mouse, Rat, Pig, Sheep, Cow, Dog, Horse)  <b>Predicted MW.:</b> 90 kDa  <b>Subcellular Location:</b> Cytoplasm ,Nucleus
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 5598	<b>SWISS:</b> Q13164	
<b>Target:</b> ERK5		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human ERK5/MAPK7: 731-816/816.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is specifically activated by mitogen-activated protein kinase kinase 5 (MAP2K5/MEK5). It is involved in the downstream signaling processes of various receptor molecules including receptor type kinases, and G protein-coupled receptors. In response to extracellular signals, this kinase translocates to cell nucleus, where it regulates gene expression by phosphorylating, and activating different transcription factors. Four alternatively spliced transcript variants of this gene encoding two distinct isoforms have been reported. [provided by RefSeq, Jul 2008]		

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (human breast carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ERK5) Polyclonal Antibody, Unconjugated (bs-24629R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.