

## Anti-Phospho-EIF2AK3-Thr981 antibody (920-1000) (STJ91215)

STJ91215

### GENERAL INFORMATION

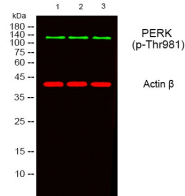
<b>Product Type</b>	Primary antibodies
<b>Short Description</b>	Rabbit polyclonal antibody anti-Phospho-Eukaryotic Translation Initiation Factor 2-Alpha Kinase 3-Thr981 (920-1000) is suitable for use in Immunofluorescence, Immunocytochemistry, Western Blot, Immunohistochemistry and ELISA research applications.
<b>Applications</b>	IF, ICC, WB, IHC-P, ELISA
<b>Host/Source</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat

### PRODUCT PROPERTIES

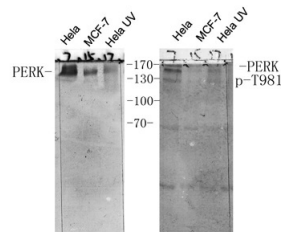
<b>Clonality</b>	Polyclonal
<b>Clone ID</b>	
<b>Concentration</b>	1 mg/mL
<b>Conjugation</b>	Unconjugated
<b>Purification</b>	The antibody was affinity-purified from rabbit anti-serum by affinity-chromatography.
<b>Dilution Range</b>	IF 1:50-200 WB 1:500-2000 IHC 1:100-1:300 ELISA 1:40000
<b>Formulation</b>	PBS, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
<b>Isotype</b>	IgG
<b>Storage Instruction</b>	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

### TARGET INFORMATION

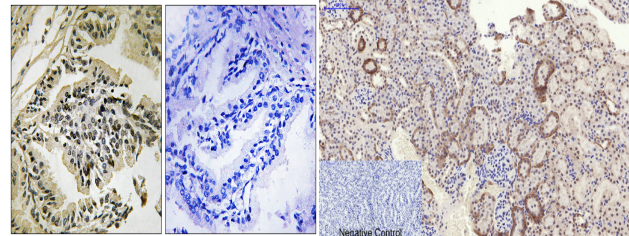
<b>Gene ID</b>	9451
<b>Gene Symbol</b>	EIF2AK3
<b>Uniprot ID</b>	E2AK3_HUMAN
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PEK/PERK around the phosphorylation site of Thr981 at amino acid range 947-996
<b>Immunogen Region</b>	920-1000
<b>Specificity</b>	Phospho-EIF2AK3-Thr981 polyclonal antibody (Eukaryotic Translation Initiation Factor 2-Alpha Kinase 3) binds to endogenous Eukaryotic Translation Initiation Factor 2-Alpha Kinase 3 at the amino acid region 920-1000 only when phosphorylated at Thr981.
<b>Immunogen Sequence</b>	



Western blot analysis of lysates from 1) 453, 2) AD293, 3) HeLa cells. (Green) primary antibody was diluted at 1:1000, 4°C overnight, secondary antibody (cat: NA) was diluted at 1:10000, 37°C 1hour. (Red) Actin Beta monoclonal antibody (5B7) (cat: STJ96930) antibody was diluted at 1:5000 as loading control, 4°C overnight, secondary antibody (cat: NA) was diluted at 1:10000, 37°C 1hour.



Western blot analysis of various cells using antibody diluted at 1:1000. Secondary antibody was diluted at 1:20000



Immunohistochemistry analysis of paraffin-embedded human prostate carcinoma, using PEK/PERK (Phospho-Thr981) Antibody. The picture on the right is blocked with the phospho peptide.

Immunohistochemical analysis of paraffin-embedded Mouse-kidney tissue. 1. PERK (phospho Thr981) Polyclonal Antibody was diluted at 1:200 (4°C overnight). 2. Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min). 3. Secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.  
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