

**I $\kappa$ B- $\epsilon$  (phospho Ser22) rabbit pAb****Cat#: orb769261 (Manual)**

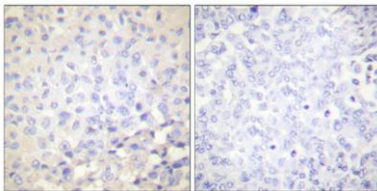
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	I $\kappa$ B- $\epsilon$ (phospho Ser22) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human I $\kappa$ B- $\epsilon$ around the phosphorylation site of Ser22. AA range: 131-180
<b>Specificity</b>	Phospho-I $\kappa$ B- $\epsilon$ (S22) Polyclonal Antibody detects endogenous levels of I $\kappa$ B- $\epsilon$ protein only when phosphorylated at S22.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	NF-kappa-B inhibitor epsilon
<b>Gene Name</b>	NFKBIE
<b>Cellular localization</b>	Cytoplasm .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

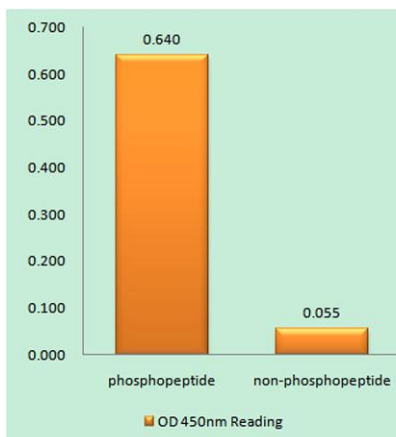
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	38kD
<b>Human Gene ID</b>	4794
<b>Human Swiss-Prot Number</b>	O00221
<b>Alternative Names</b>	NFKBIE; IKBE; NF-kappa-B inhibitor epsilon; NF-kappa-BIE; I-kappa-B-epsilon; Ikb-E; Ikb-epsilon; IkappaBepsilon

## Background

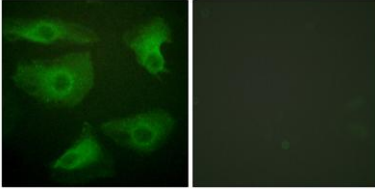
The protein encoded by this gene binds to components of NF-kappa-B, trapping the complex in the cytoplasm and preventing it from activating genes in the nucleus. Phosphorylation of the encoded protein targets it for destruction by the ubiquitin pathway, which activates NF-kappa-B by making it available to translocate to the nucleus. [provided by RefSeq, Sep 2011],



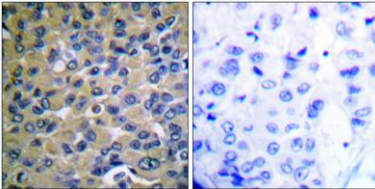
Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using IkappaB-epsilon (Phospho-Ser22) Antibody



**Immunofluorescence analysis of HeLa cells, using IkappaB-epsilon (Phospho-Ser22) Antibody. The picture on the right is blocked with the phospho peptide.**



**Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using IkappaB-epsilon (Phospho-Ser22) Antibody. The picture on the right is blocked with the phospho peptide.**