

Anti-Phospho-EIF2AK3-T982 antibody (STJ11101024)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

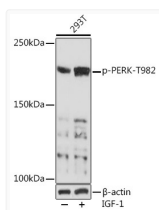
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:50-1:200 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 125kDa Observed Mw: 170kDa/
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

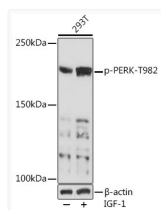
Gene ID	9451
Gene Symbol	EIF2AK3
UniProt ID	E2AK3_HUMAN
Immunogen Sequence	RHTGQ
Specificity	A synthetic phosphorylated peptide around T982 of human PERK (NP_004827.4).

ADDITIONAL INFORMATION

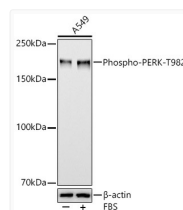
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



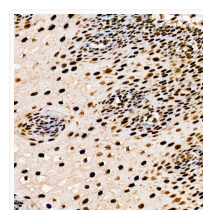
Western blot analysis of lysates from 293T cells, using Phospho-PERK-T982 Rabbit pAb (STJ11101024) at 1:1000 dilution. 293T cells were treated by IGF-1 (50 ng/ml) at 37 °C for 5 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit. Exposure time: 90s.



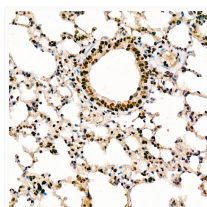
Western blot analysis of lysates from 293T cells, using Phospho-PERK-T982 Rabbit pAb (STJ11101024) at 1:1000 dilution. 293T cells were treated by IGF-1 (50 ng/ml) at 37C for 5 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit. Exposure time: 90s.



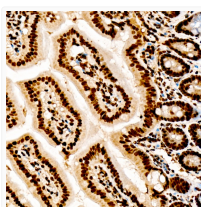
Western blot analysis of lysates from A549 cells, using Phospho-PERK-T982 Rabbit pAb (STJ11101024) at 1:1000 dilution incubated overnight at 4C. A549 cells were treated by 10% FBS at 37C for 5 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 30 Mu g per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.



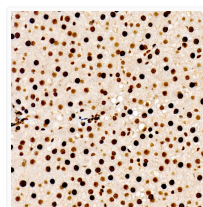
Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using Phospho-PERK-T982 Rabbit pAb (STJ11101024) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



Immunohistochemistry analysis of paraffin-embedded Rat lung tissue using Phospho-PERK-T982 Rabbit pAb (STJ11101024) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



Immunohistochemistry analysis of paraffin-embedded Mouse Intestine tissue using Phospho-PERK-T982 Rabbit pAb (STJ11101024) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using Phospho-PERK-T982 Rabbit pAb (STJ11101024) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.