

## Product datasheet for **TA322705S**

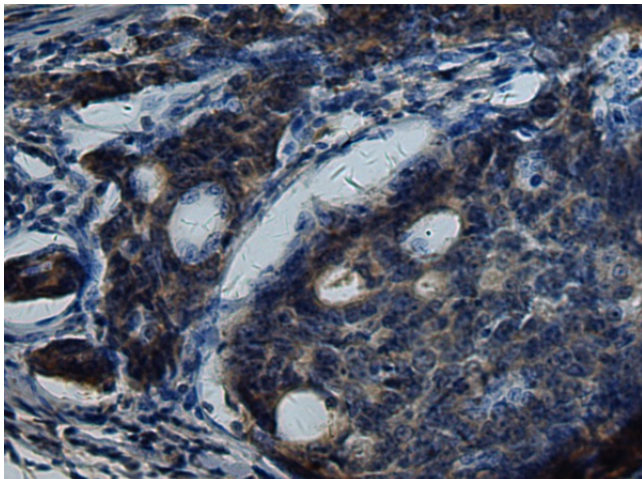
### PERK (EIF2AK3) Rabbit Polyclonal Antibody

#### Product data:

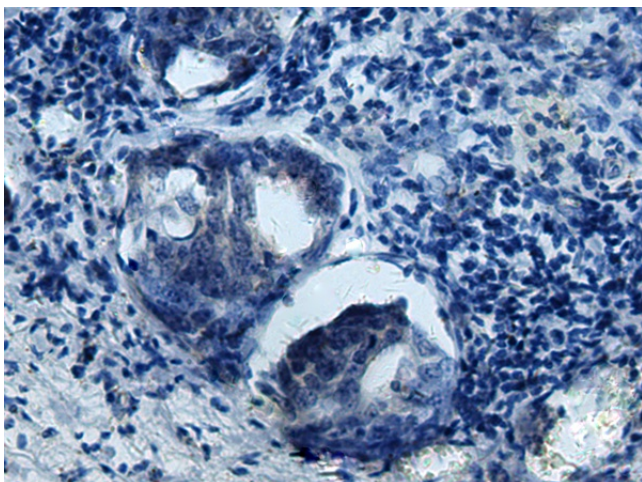
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 100-200 Positive control: Human colorectal cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to C terminal 250 amino acids of human eukaryotic translation initiation factor 2-alpha kinase 3
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	eukaryotic translation initiation factor 2 alpha kinase 3
Database Link:	<a href="#">NP_004827</a> <a href="#">Entrez Gene 13666 Mouse</a> <a href="#">Entrez Gene 29702 Rat</a> <a href="#">Entrez Gene 9451 Human</a> <a href="#">Q9NZJ5</a>
Background:	The protein encoded by this gene phosphorylates the alpha subunit of eukaryotic translation-initiation factor 2 (EIF2); leading to its inactivation; and thus to a rapid reduction of translational initiation and repression of global protein synthesis. It is a type I membrane protein located in the endoplasmic reticulum (ER); where it is induced by ER stress caused by malformed proteins. Mutations in this gene are associated with Wolcott-Rallison syndrome.
Synonyms:	PEK; PERK; WRS
Protein Families:	Druggable Genome, Protein Kinase, Secreted Protein, Transmembrane
Protein Pathways:	Alzheimer's disease



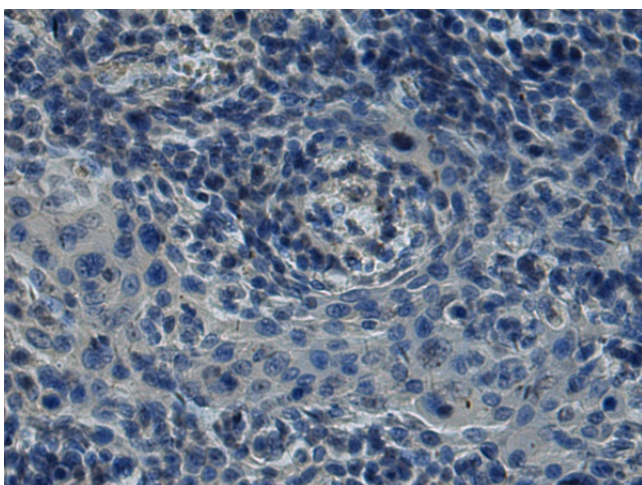
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**Product images:**

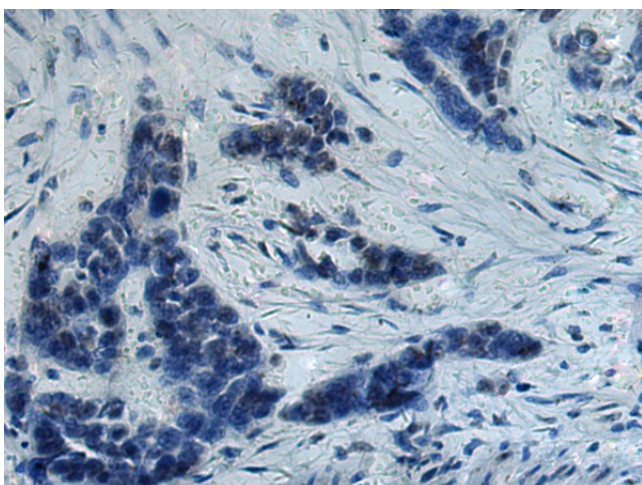
Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA322705] (EIF2AK3 Antibody) at dilution 1/90 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA322705] (EIF2AK3 Antibody) at dilution 1/90, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA322705] (EIF2AK3 Antibody) at dilution 1/90 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA322705] (EIF2AK3 Antibody) at dilution 1/90, treated with fusion protein. (Original magnification:  $\times 200$ )