

## Product datasheet for **CF500409**

### STK3 Mouse Monoclonal Antibody [Clone ID: OTI2D4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2D4
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000; IHC 1:50
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full-length protein expressed in 293T cell transfected with human STK3 expression vector
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	56.3 kDa
Gene Name:	serine/threonine kinase 3
Database Link:	<a href="#">NP_006272</a> <a href="#">Entrez Gene 56274 Mouse</a> <a href="#">Entrez Gene 65189 Rat</a> <a href="#">Entrez Gene 6788 Human</a> <a href="#">Q13188</a>



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**Background:**

Protein kinase activation is a frequent response of cells to treatment with growth factors, chemicals, heat shock, or apoptosis-inducing agents. This protein kinase activation presumably allows cells to resist unfavorable environmental conditions. The yeast 'sterile 20'(Ste20) kinase acts upstream of the mitogen-activated protein kinase (MAPK) cascade that is activated under a variety of stress conditions. MST2 was identified as a kinase that is activated by the proapoptotic agents staurosporine and FAS ligand

**Synonyms:**

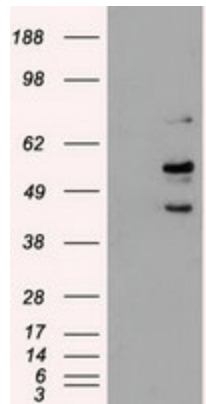
KRS1; MST2

**Protein Families:**

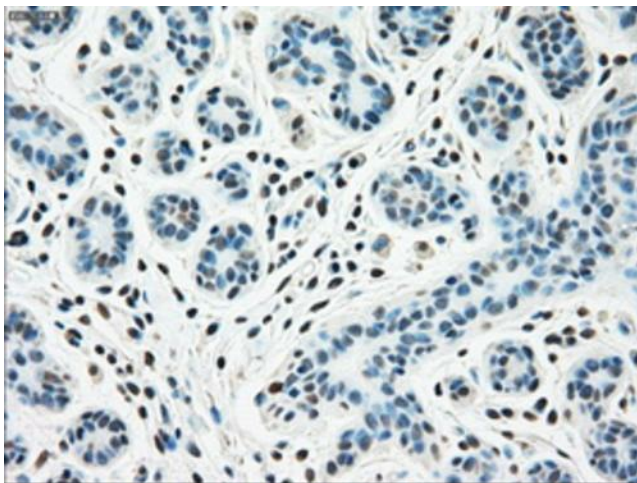
Druggable Genome, Protein Kinase

**Protein Pathways:**

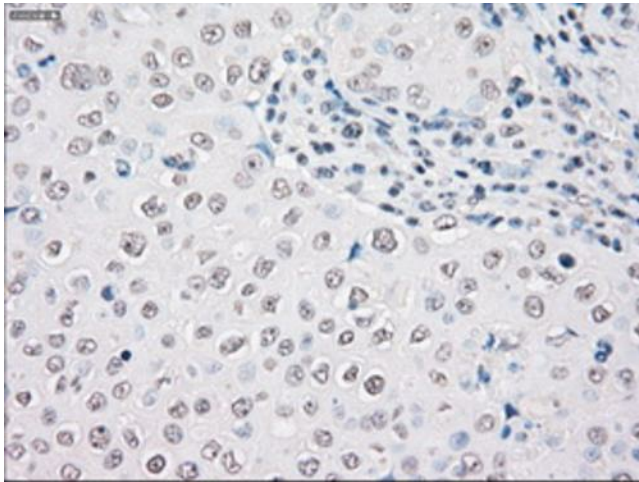
MAPK signaling pathway

**Product images:**


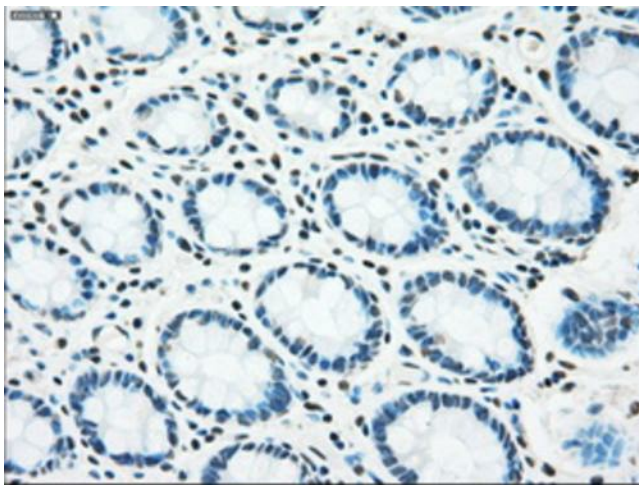
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY STK3 ([RC203897], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-STK3. Positive lysates [LY401892] (100ug) and [LC401892] (20ug) can be purchased separately from OriGene.



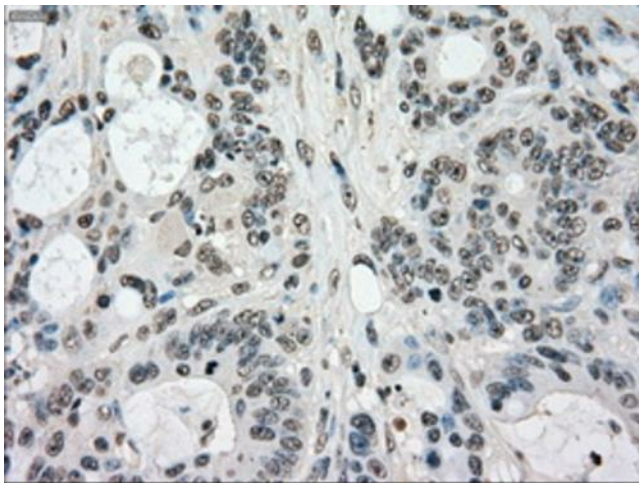
Immunohistochemical staining of paraffin-embedded breast tissue within the normal limits using anti-STK3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



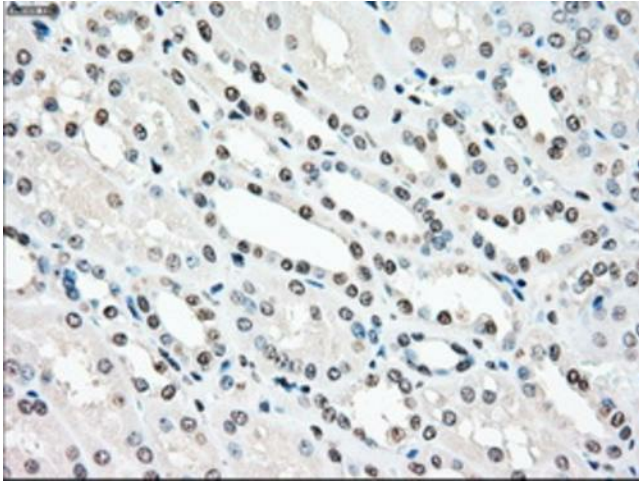
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of breast tissue using anti-STK3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



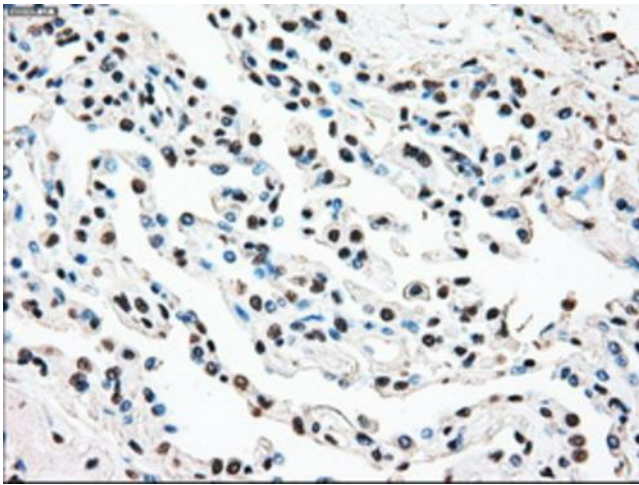
Immunohistochemical staining of paraffin-embedded colon tissue within the normal limits using anti-STK3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



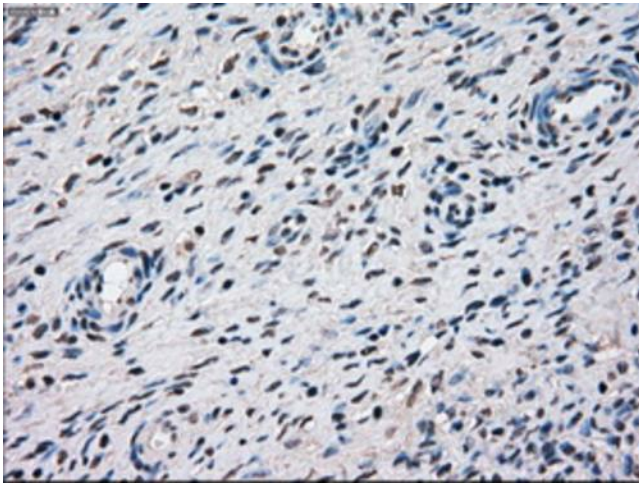
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of colon tissue using anti-STK3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



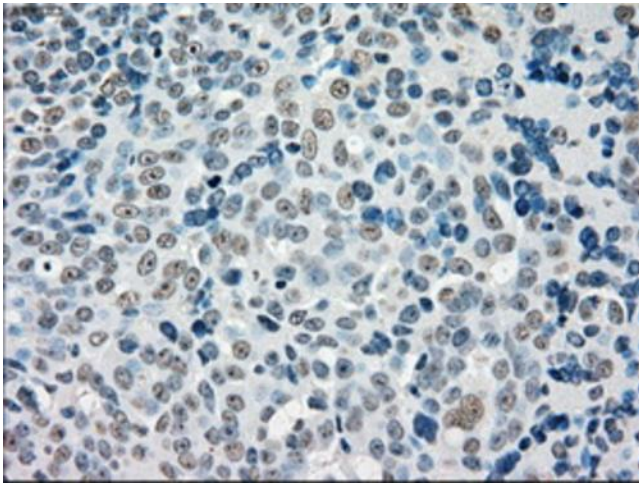
Immunohistochemical staining of paraffin-embedded Kidney tissue within the normal limits using anti-STK3mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



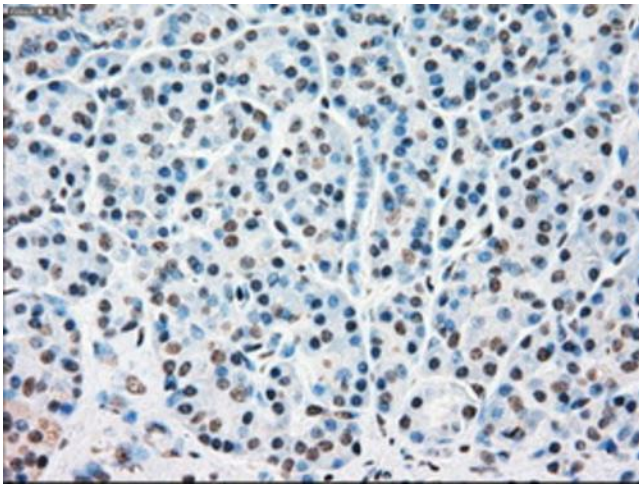
Immunohistochemical staining of paraffin-embedded lung tissue within the normal limits using anti-STK3mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



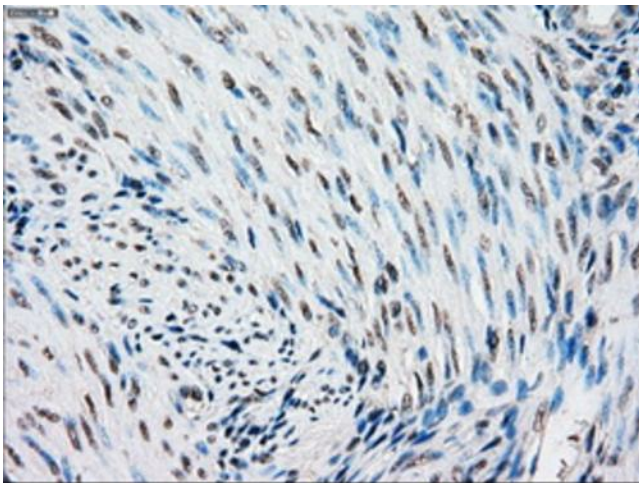
Immunohistochemical staining of paraffin-embedded Ovary tissue within the normal limits using anti-STK3mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



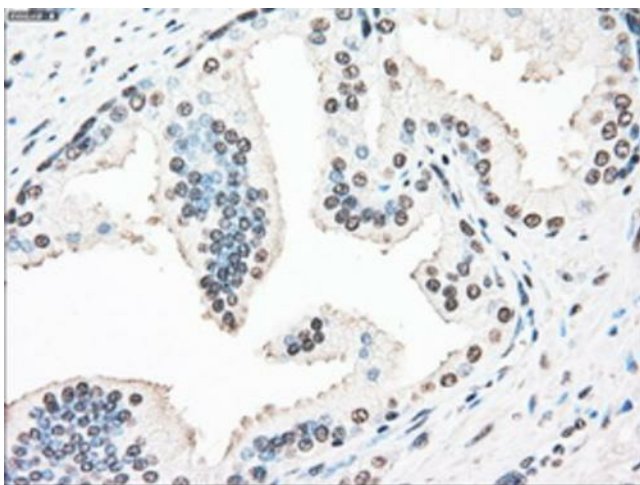
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of ovary tissue using anti-STK3mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded pancreas tissue within the normal limits using anti-STK3mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded endometrium tissue within the normal limits using anti-STK3mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded prostate tissue within the normal limits using anti-STK3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.