OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for CF805678

ROS1 Mouse Monoclonal Antibody [Clone ID: OTI1F3]

Product data:

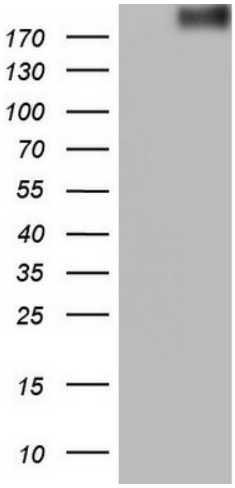
Product Type:	Primary Antibodies
Clone Name:	OTI1F3
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:5000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 2126-2347 of human ROS1(NP_002935) produced in E.coli.
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.
Gene Name:	ROS proto-oncogene 1, receptor tyrosine kinase
Database Link:	NP_002935 Entrez Gene 6098 Human P08922
Background:	This proto-oncogene, highly-expressed in a variety of tumor cell lines, belongs to the sevenless subfamily of tyrosine kinase insulin receptor genes. The protein encoded by this gene is a type I integral membrane protein with tyrosine kinase activity. The protein may function as a growth or differentiation factor receptor. [provided by RefSeq, Jul 2008]

View online »

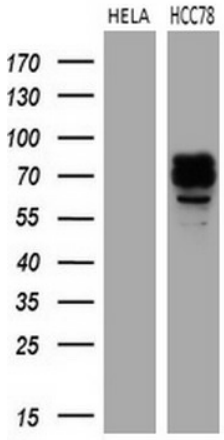
Synonyms: c-ros-1; MCF3; ROS

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

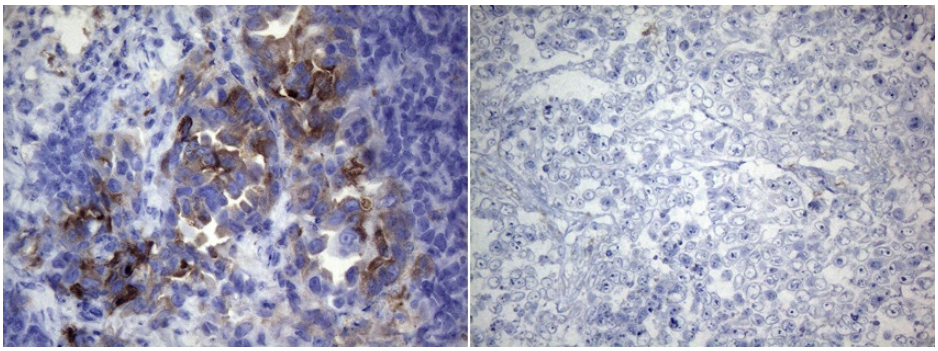
Product images:



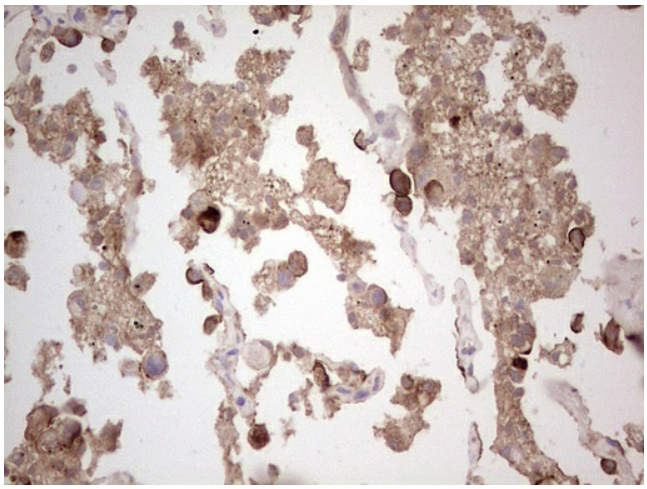
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ROS1 ([RC220652], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ROS1.



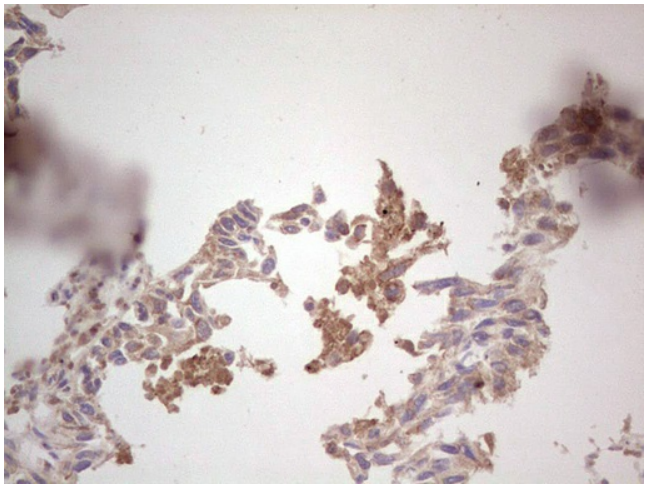
Western blot analysis of extracts (35ug) from 2 different cell lines by using anti-ROS1 monoclonal antibody (1:500).



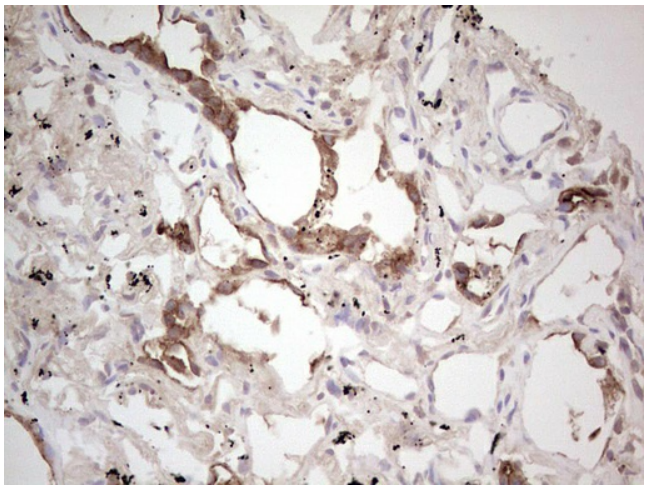
Immunohistochemical staining of paraffin-embedded HCC78 (left) and HeLa (right) xenograft using [TA805678] (0.2ug/ml). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



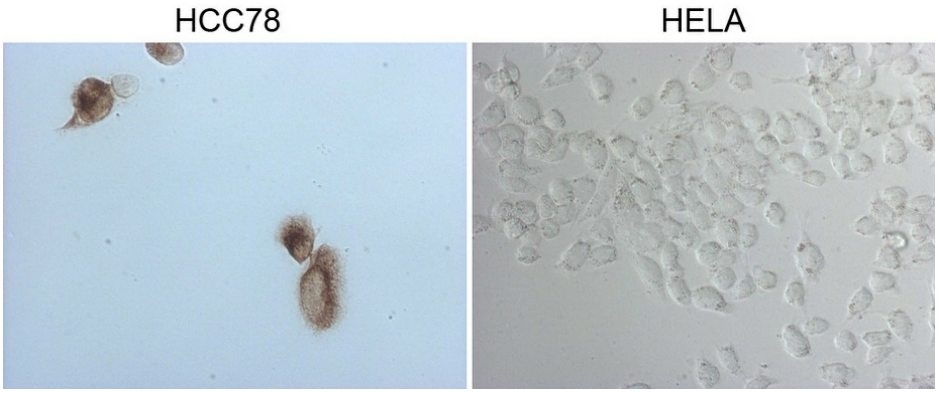
Immunohistochemical staining of paraffin-embedded Carcinoma of ROS1 positive Human lung tissue using anti-ROS1 mouse monoclonal antibody. ([TA805678]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of ROS1 positive Human lung tissue using anti-ROS1 mouse monoclonal antibody. ([TA805678]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of ROS1 positive Human lung tissue using anti-ROS1 mouse monoclonal antibody. ([TA805678]; heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunocytochemistry staining of HCC78 cells using anti-ROS1 mouse monoclonal antibody ([TA805678]) (Left). The right is HELA cells as negative control (1:2000).