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Product datasheet for TA805678M

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:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
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]
Synonyms:	c-ros-1; MCF3; ROS
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane

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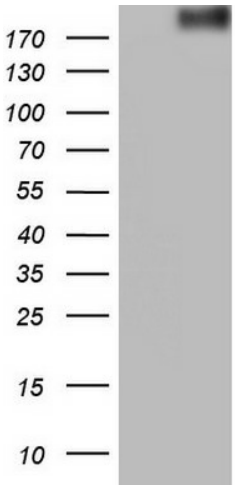
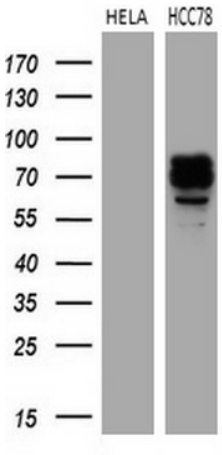
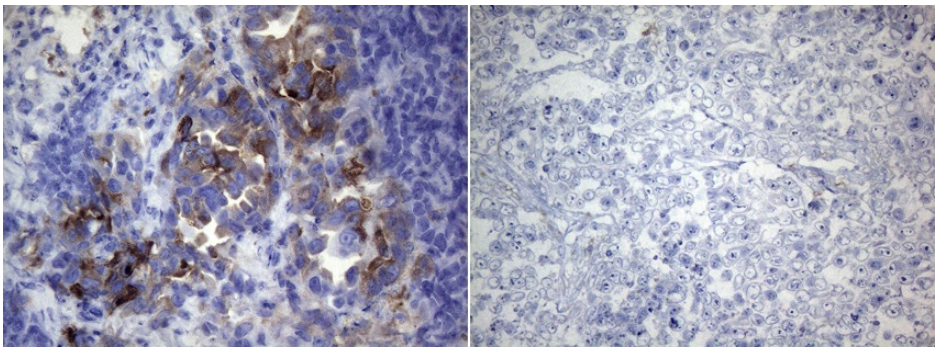
Product images:



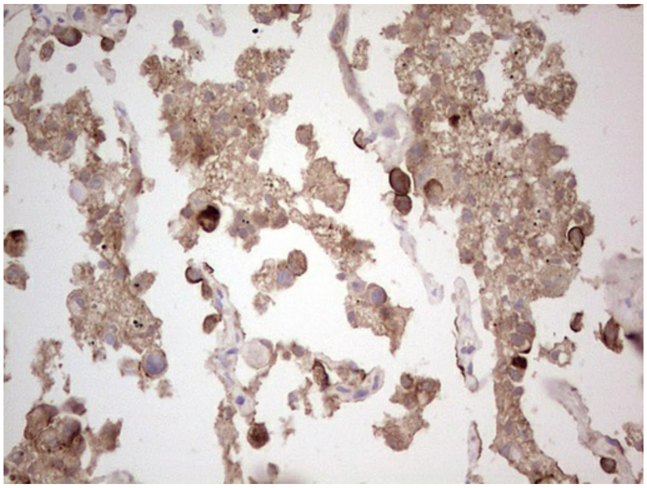
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ROS1 ([RC220652], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ROS1.



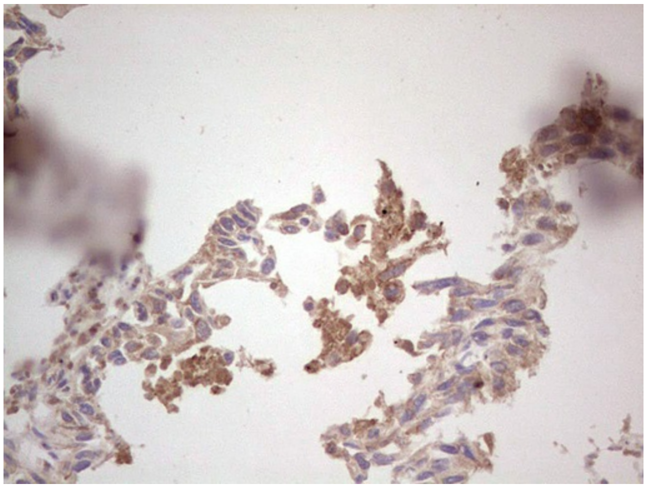
Western blot analysis of extracts (35ug) from 2 different cell lines by using anti-ROS1 monoclonal antibody (1:500).



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.



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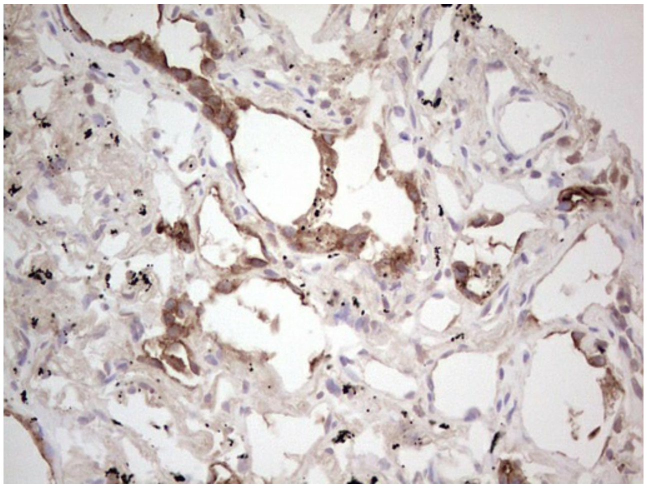

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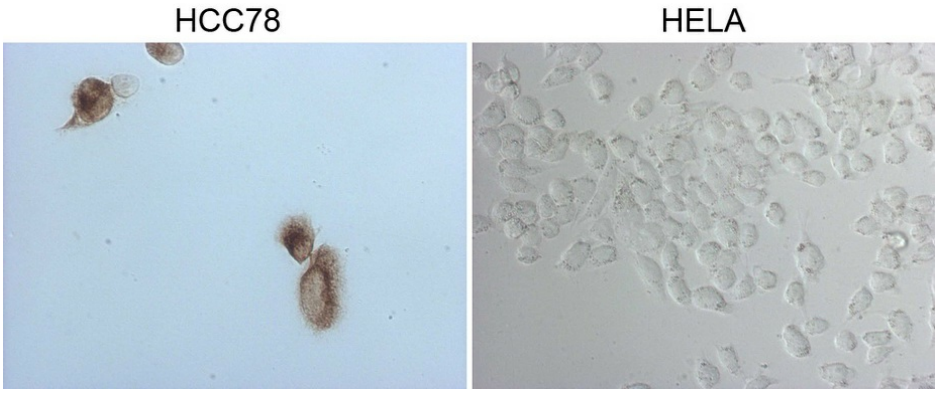

Immunocytochemistry staining of HCC78 cells using anti-ROS1 mouse monoclonal antibody ([TA805678]) (Left). The right is HELA cells as negative control (1:2000).