

Immunotag™ ROS Antibody

Antibody Specification	
Catalog No.	ITA2628
Product Description	Immunotag™ ROS Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	ROS
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Reactive Species	Human,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human ROS
Specificity	ROS Antibody detects endogenous levels of ROS
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	ROS1
Accession No.	P08922

Antibody Specification

Alternate Names	c ros 1; c ros; c ros oncogene 1 receptor tyrosine kinase; c Ros receptor tyrosine kinase; c ros1; MCF 3; MCF3; Oncogene ROS; OTTHUMP00000017814; OTTHUMP00000017815; OTTHUMP00000040389; Proto oncogene c ros 1 protein; Proto oncogene c Ros; Proto oncogene tyrosine protein kinase ROS; Proto oncogene tyrosine protein kinase ROS precursor; Proto-oncogene c-Ros-1; Proto-oncogene tyrosine-protein kinase ROS; Receptor tyrosine kinase c ros oncogene 1; Ros 1; ROS 1C; ROS; ROS proto oncogene 1 , receptor tyrosine kinase; ROS_HUMAN; ROS1; ROS1C; Transmembrane tyrosine specific protein kinase; v ros avian UR2 sarcoma virus oncogene homolog 1; v ros UR2 sarcoma virus oncogene homolog 1;
Description	Orphan receptor tyrosine kinase (RTK) that plays a role in epithelial cell differentiation and regionalization of the proximal epididymal epithelium. May activate several downstream signaling pathways related to cell differentiation, proliferation, growth and survival including the PI3 kinase-mTOR signaling pathway. Mediates the phosphorylation of PTPN11, an activator of this pathway. May also phosphorylate and activate the transcription factor STAT3 to control anchorage-independent cell growth. Mediates the phosphorylation and the activation of VAV3, a guanine nucleotide exchange factor regulating cell morphology. May activate other downstream signaling proteins including AKT1, MAPK1, MAPK3, IRS1 and PLCG2.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	263KD
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.