

Product datasheet for **TA385013S**

POU2F1 Rabbit Monoclonal Antibody [Clone ID: R02-7K5]

Product data:

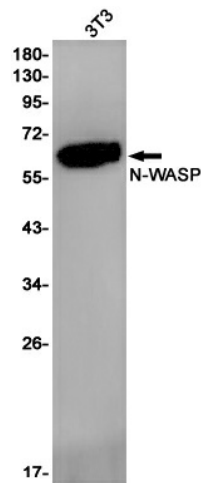
Product Type:	Primary Antibodies
Clone Name:	R02-7K5
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1/1000-1/2000 IHC: 1/20-1/50 ICC/IF: 1/50-1/100
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide of human N-WASP
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 55 kDa; Observed MW: 65 kDa
Database Link:	O00401



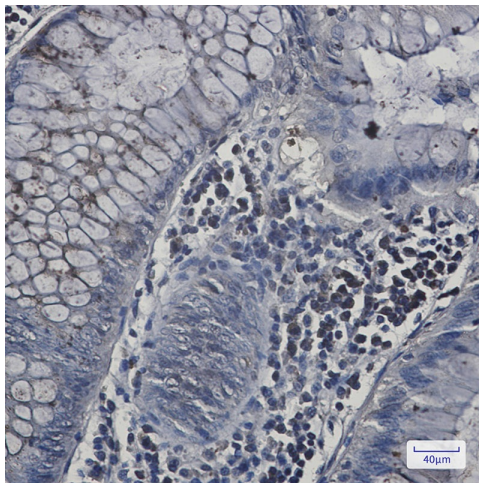
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Background:

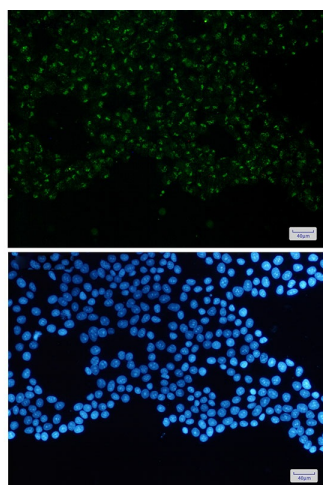
Swiss-Prot Acc.O00401.Regulates actin polymerization by stimulating the actin-nucleating activity of the Arp2/3 complex (PubMed:9422512, PubMed:16767080, PubMed:19366662, PubMed:19487689, PubMed:22847007, PubMed:22921828). Involved in various processes, such as mitosis and cytokinesis, via its role in the regulation of actin polymerization (PubMed:9422512, PubMed:19366662, PubMed:19487689, PubMed:22847007, PubMed:22921828). Together with CDC42, involved in the extension and maintenance of the formation of thin, actin-rich surface projections called filopodia (PubMed:9422512). In addition to its role in the cytoplasm, also plays a role in the nucleus by regulating gene transcription, probably by promoting nuclear actin polymerization (PubMed:16767080). Binds to HSF1/HSTF1 and forms a complex on heat shock promoter elements (HSE) that negatively regulates HSP90 expression . Plays a role in dendrite spine morphogenesis .

Product images:

Western blot analysis of NWASP in 3T3 lysates using N WASP antibody.



Immunohistochemistry analysis of paraffin-embedded Human colon cancer using NWASP antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry analysis of NWASP(green) in HeLa using NWASP antibody, and DAPI(blue)