

ENSA Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 15	Source/Isotype: Rabbit	UniProt ID: #O43768	Entrez-Gene Id: 2029	
Product Usage Information		Application Western Blotting			Dilution 1:1000		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.					
Specificity/Sensitivity		ENSA Antibody recognizes endogenous levels of total ENSA protein.					
Species predicted to react based on 100% sequence homology		Mouse, Rat					
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human ENSA protein. Antibodies are purified by protein A and peptide affinity chromatography.					
Background		Research studies have instability and cancer identified in <i>Drosoph</i> . homology and functic ortholog of Gwl (4). Retiming of mitosis. Resphosphorylation of heautophosphorylation phosphorylates α-Enc Ser62, respectively. Plform of protein phosp substrates by cyclin B	e demonstrated tha (reviewed in 1,2). A ila melanogaster (3) on, microtubule-ass egulation of MASTL earch studies have uman Gwl at Thr194 at Ser875 (Ser883 in dosulfine (ENSA) and hosphorylated ENSA bhatase 2A (PP2A-B! 1-cdc2 and mitotic (rowth, development, and tinappropriate control of regulator of mitosis, Gr. Subsequent studies shociated serine/threoning/Gwl activation has been shown that Gwl is activation and Thr207 by active cyn Xenopus), which stabild cAMP-regulated phospa and ARPP19 inhibit the 55), allowing for compleentry. When Gwl is inactidc2 and mitotic exit (5,6)	of mitosis can lead eatwall kinase (Gwlowed that, based of the kinase-like (MAST) in shown to be criticated by hyperphospyclin B1-cdc2 leads izes the kinase. Act ohoprotein 19 (ARPF) activity of the B55 te phosphorylation ivated, PP2A-B55 re	to genomic), was first on sequence L) is the human al for the correct horylation (5). The to possible ivated Gwl P19) at Ser67 and subunit-associated of mitotic	
Background References		2. Norbury, C. and Nu 3. Yu, J. et al. (2004) / (4. Voets, E. and Wolth 5. Blake-Hodek, K.A. e 6. Vigneron, S. et al. (2	norn, P.J. et al. (2009) <i>Biochim Biophys Acta</i> 1795, 1-15. bury, C. and Nurse, P. (1992) <i>Annu Rev Biochem</i> 61, 441-70. et al. (2004) <i>J Cell Biol</i> 164, 487-92. s, E. and Wolthuis, R.M. (2010) <i>Cell Cycle</i> 9, 3591-601. e-Hodek, K.A. et al. (2012) <i>Mol Cell Biol</i> 32, 1337-53. eron, S. et al. (2011) <i>Mol Cell Biol</i> 31, 2262-75. a, T. and Castro, A. (2012) <i>Oncogene</i> 32, 537-543.				
Species Reactivi	ty	Species reactivity is do	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).	

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting

Cross-Reactivity Key H: Human Mk: Monkey

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