

Tox Antibody



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

Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 60-80	Source/Isotype: Rabbit	UniProt ID: #O94900	Entrez-Gene Id: 9760
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50	
Storage				5), 150 mM NaCl, 100 µg not aliquot the antibody.		rol and less than
Specificity/Sensitivity		Tox Antibody recogniz	zes endogenous lev	els of total Tox protein.		
Source / Purification		Polyclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala387 of human Tox protein. Antibodies are purified by peptide affinity chromatography.				
Background		and member of the evidefines a small subfar conserved in vertebra Tox plays a key role in deficient mice also revincluding NKT cells, Fo Tox expression is primingh antigen stimulat	volutionarily conser mily of proteins tha ate species but have a T cell development vealed a requireme oxP3+ T regulatory narily restricted to co ion during chronic	bility group box protein red high-motility group t include Tox2, Tox3, and a unique tissue expression tin the thymus during p nt for Tox in CD4 T cell a T cells, and lymphoid tis developing immune cells viral infection or cancer, wn to be aberrantly express	(HMG)-box superfading to the factor of the f	mily. Tox also are highly ctions (1,2). 5). A study in Tox- development, lls (6-8). Although Tox is induced by rsistence and
Background References		1. O'Flaherty, E. and Kaye, J. (2003) <i>BMC Genomics</i> 4, 13. 2. Aliahmad, P. et al. (2012) <i>Curr Opin Immunol</i> 24, 173-7. 3. Wilkinson, B. et al. (2002) <i>Nat Immunol</i> 3, 272-80. 4. Aliahmad, P. et al. (2004) <i>J Exp Med</i> 199, 1089-99. 5. Chi, T.H. et al. (2002) <i>Nature</i> 418, 195-9. 6. Aliahmad, P. and Kaye, J. (2008) <i>J Exp Med</i> 205, 245-56. 7. Aliahmad, P. et al. (2010) <i>Nat Immunol</i> 11, 945-52. 8. Yun, S. et al. (2011) <i>Immunol Lett</i> 136, 29-36. 9. Page, N. et al. (2018) <i>Immunity</i> 48, 937-950.e8. 10. Alfei, F. et al. (2019) <i>Nature</i> 571, 265-9. 11. Yao, C. et al. (2019) <i>Nat Immunol</i> 20, 890-901. 12. Wang, X. et al. (2019) <i>J Hepatol</i> pii: S0168-8278(19)30301-0. doi: 10.1016/j.jhep.2019.05.015. 13. Morimura, S. et al. (2014) <i>Arch Dermatol Res</i> 306, 843-9. 14. Huang, Y. et al. (2014) <i>Oncotarget</i> 5, 4418-25.				

Species Reactivity

Species reactivity is determined by testing in at least one approved 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 **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human

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