## OX40 (E9U7O) XP<sup>®</sup> Rabbit mAb



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

<b>Applications:</b> W, IP, IHC-Bond, IHC-P, IF-IC	<b>Reactivity:</b> H M R	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 35-50	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #P43489	Entrez-Gene Id: 7293	
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation IHC Leica Bond Immunohistochemistry Immunofluorescence (I		stry)	1 1 1 1	Dilution :1000 :200 :400 :50 :50 - 1:200	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
		For a carrier free (BSA a					
Specificity/Sensitivity		OX40 (E9U7O) XP $^{ extsf{@}}$ Rabbit mAb recognizes endogenous levels of total OX40 protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gln264 of human OX40 protein.					
Background		OX40 (TNFRSF4, CD134) regulates T cell activity a transmembrane dom expressed on activated predominantly express OX40L leads to the recr of a TCR-independent s pathway (2,8). OX40 sig indicate that the OX40L Additional research stu types (11,12).	and immune respo ain, and a cytoplas CD4+ and CD8+ T- ed on activated an uitment of TNF rec ignaling complex. Inaling through Ak -OX40 pathway is a	onses. The OX40 protein mic tail containing a QE cells, while the OX40 lig tigen presenting cells (3 eptor-associated factor One component of this t can also enhance TCR s associated with inflamm	contains four cyst E motif (1,2). OX40 and (OX40L, TNFSF -7). The engageme s (TRAFs) and resu complex, PKC0, ac signaling directly ( nation and autoimr	eine rich domains, is primarily 4, CD252) is ent of OX40 with lts in the formation tivates the NF-κB 9). Research studies nune diseases (10).	
Background References		1. Croft, M. (2010) Annu Rev Immunol 28, 57-78. 2. So, T. and Croft, M. (2012) Front Immunol 3, 133. 3. Paterson, D.J. et al. (1987) Mol Immunol 24, 1281-90. 4. Mallett, S. et al. (1990) EMBO J 9, 1063-8. 5. Dürkop, H. et al. (1995) Br J Haematol 91, 927-31. 6. Godfrey, W.R. et al. (1994) J Exp Med 180, 757-62. 7. Al-Shamkhani, A. et al. (1997) J Biol Chem 272, 5275-82. 8. So, T. et al. (2011) Proc Natl Acad Sci U S A 108, 2903-8. 9. So, T. and Croft, M. (2013) Front Immunol 4, 139. 10. Gough, M.J. and Weinberg, A.D. (2009) Adv Exp Med Biol 647, 94-107. 11. Weinberg, A.D. et al. (2011) Immunol Rev 244, 218-31. 12. Linch, S.N. et al. (2015) Front Oncol 5, 34.					
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 IHC-Bond: IHC Leica Bond IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry)					
Cross-Reactivity Key		H: Human M: Mouse R: Rat					

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