Store at

70358

TSPO (D1N7Z) Rabbit mAb



Orders:	877-616-CELL (2355) orders@cellsignal.com
Support:	877-678-TECH (8324)
Web:	info@cellsignal.com cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: W, IP, IHC-P, IF-IC	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 18	Source/Isotype: Rabbit IgG	UniProt ID: #P30536	Entrez-Gene Id: 706	
Product Usage Information		Application Western Blotting Immunoprecipitation Immunohistochemistry Immunofluorescence (J	, ,	istry)	1 1: 1:	Solution 1000 100 100 1200 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.					
Specificity/Sensitivity		TSPO (D1N7Z) Rabbit mAb recognizes endogenous levels of total TSPO protein.					
Source / Purifica	ation	on Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding t residues surrounding Gly160 of human TSPO protein.		orresponding to			
Background		involved in steroid horr Originally thought to pl research studies have in progression of breast c identified by its ability t name, Peripheral Benzo TSPO has been shown t modulates mitochondri apoptosis (2,6,7). TSPO Steroidogenic Acute Re critical for steroidogene aggressive, hormone-d aggressive, metastatic, TSPO (9). This study, an dependent tumor prog pharmacological compo	none synthesis an lay a role exclusive mplicated TSPO in ancer, neuroinflan to bind benzodiaze odiazepine Recept to modulate an an is found in the ou gulatory Factor (S esis and tumor pro ependent cell line and hormone-ind d others, suggest ression. Numerou ounds and upregu	ray of cellular functions; etabolism, and plays a ro ter mitochondrial memb tAR) to transport cholest ogression (8,9). This is illu , MCF7, expresses low lev ependent cell line, MDA- that TSPO may be an im s investigations have cor llation in disease, TSPO is proinflammation, neurod	tasis in various cel steroidogenic cells in a broad range o al disorders (1,3-5). es and glial cells, h it is critical for stero ole in both cell prol rane where it coor erol into the mitocl istrated by studies yels of TSPO where MB-231, expresses portant regulator of included that due to a an attractive targ	Il types (1,2). s, subsequent of tissues, including . TSPO was first hence its alternate oidogenesis, liferation and dinates with hondria and is that show the non- tas the more s high levels of of hormone- o its high affinity for	
Background Re	ferences	1. Batarseh, A. and Pap 2. Gatliff, J. and Campar 3. Sileikyte, J. et al. (201 4. Mukherjee, S. and Da 5. Da Pozzo, E. et al. (20 6. Riond, J. et al. (1991) 7. Veenman, L. and Gav 8. Papadopoulos, V. et a 9. Batarseh, A. et al. (20 10. Scarf, A.M. and Kass 11. Rupprecht, R. et al. (20 13. Politis, M. et al. (20 14. Calabresi, P.A. and E	nella, M. (2012) Cu 1) J Biol Chem 286 as, S.K. (2012) Curr 12) Curr Mol Med Eur J Biochem 195 rish, M. (2012) Cur al. (1997) Steroids 12) Biochim Biopl siou, M. (2011) J No (2010) Nat Rev Dro 13) Glia 61, 10-23. 2) Front Pharmac	, 1046-53. Mol Med 12, 443-57. 12, 426-42. , 305-11. r Mol Med 12, 398-412. 62, 21-8. hys Acta 1819, 38-56. acl Med 52, 677-80. ag Discov 9, 971-88.	27, 1-12.		

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-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry)		
Cross-Reactivity Key	H: Human		
Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.		
	All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.		
Limited Uses	Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.		
	Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.		