e at -20C	NRF2 (D9J1B) Rat mAb	HE C	Cell Signaling TECHNOLOGY®	
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: Reactive IF-IC M	vity: Sensitivity: Endogenous	MW (kDa): 97-100	Source/Isotype: Rat IgG2b	UniProt ID: #Q60795	Entrez-Gene Id: 18024		
Product Usage Information	Application	Application			Dilution		
mormation	Immunofluorescence (I	Immunofluorescence (Immunocytochemistry)		1:50 - 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. <i>Do not aliquot the antibody.</i>						
Specificity / Sensitivity	NRF2 (D9J1B) Rat mAb recognizes endogenous levels of total NRF2 protein.						
Source / Purification	Monoclonal antibody is produced by immunizing animals with recombinant protein surrounding Ala200 of mouse NRF2 protein.						
Background	The nuclear factor-like 2 target gene promoter re conditions, the NRF2 inl can be targeted for ubiq maintain cellular homeo Following oxidative or el translocate to the nuclea other transcription factor associated with chronic directly correlates with o cancer drug-induced ap	gions to regulate hibitor INrf2 (also uitin-mediated du stasis through re- lectrophilic stress us and bind to AF rs mediates the r obstructive pulm cell proliferation r	expression of oxidative o called KEAP1) binds an egradation (1). Small an egulation of basal express s, KEAP1 releases NRF RE-containing genes (2) response to oxidative str onary disease (COPD)	stress response gene nd retains NRF2 in the nounts of constitutive is sion of antioxidant res 2, thereby allowing the The coordinated acti ess (3). Altered expre (4). NRF2 activity in L	es. Under basal e cytoplasm where it nuclear NRF2 sponse genes. e activator to on of NRF2 and ssion of NRF2 is ing cancer cell lines		
Background References	1. Cullinan, S.B. et al. (2 2. Nguyen, T. et al. (200 3. Jaiswal, A.K. (2004) <i>F</i> 4. Suzuki, M. et al. (200 5. Homma, S. et al. (200	5) J [°] Biol Chem 2 Free Radic Biol N 8) Am J Respir C	80, 32485-92. Ied 36, 1199-207. Cell Mol Biol 39, 673-82.				
Species Reactivity	Species reactivity is dete	rmined by testine	g in at least one approve	ed application (e.g., w	estern blot).		
Applications Key	IF-IC: Immunofluorescence (Immunocytochemistry)						
Cross-Reactivity Key	 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected 						
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