

#35980 Store at -20°C

FLI1 (D7N5M) Rabbit mAb


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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB, IP	H M	Endogenous	52	Rabbit IgG	#Q01543	2313

Product Usage Information	Application Western Blotting Immunoprecipitation	Dilution 1:1000 1:50
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	FLI1 (D7N5M) Rabbit mAb recognizes endogenous levels of total FLI1 protein.	
Species predicted to react based on 100% sequence homology:	Rat, Zebrafish	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val64 of human FLI1 protein.	
Background	Friend leukemia integration 1 (FLI1) transcription factor is an ETS domain-containing transcription factor that plays an important and highly conserved role in vertebrate development, particularly hematopoiesis, where it functions to activate transcription of genes that promote erythroblast proliferation (1-4). In mice, the <i>Flt1</i> locus is a common retroviral insertion site for the Friend murine leukemia virus (F-MuLV), such that a majority of F-MuLV-induced erythroleukemias are associated with aberrant Flt1 expression (5). Notably in humans, aberrant FLI1 expression has also been linked to poor prognosis in acute myeloid leukemia (6). Also in humans, a t(11;22)(q24;q12) chromosomal translocation has been described that generates a chimeric protein (EWS/FLI1) comprised of the amino-terminal transactivation domain of Ewing's sarcoma breakpoint region 1 (EWS) and the carboxy-terminal ETS domain of FLI1 (7). The EWS/FLI1 fusion protein functions as a transcriptional activator that is reportedly responsible for >85% of the known cases of pediatric Ewing's sarcoma, an aggressive bone and soft tissue tumor (8,9).	
Background References	1. Spyropoulos, D.D. et al. (2000) <i>Mol Cell Biol</i> 20, 5643-52. 2. Pimanda, J.E. et al. (2007) <i>Proc Natl Acad Sci U S A</i> 104, 17692-7. 3. Jagadeeswaran, P. et al. (2010) <i>Blood Cells Mol Dis</i> 44, 175-80. 4. Tijssen, M.R. et al. (2011) <i>Dev Cell</i> 20, 597-609. 5. Ben-David, Y. et al. (1990) <i>Proc Natl Acad Sci U S A</i> 87, 1332-6. 6. Kornblau, S.M. et al. (2011) <i>Blood</i> 118, 5604-12. 7. May, W.A. et al. (1993) <i>Proc Natl Acad Sci U S A</i> 90, 5752-6. 8. Braun, B.S. et al. (1995) <i>Mol Cell Biol</i> 15, 4623-30. 9. Riggi, N. and Stamenkovic, I. (2007) <i>Cancer Lett</i> 254, 1-10.	

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 nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting IP: Immunoprecipitation
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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