

## Product datasheet for **CF807610**

### **RNF20 Mouse Monoclonal Antibody [Clone ID: OTI2B9]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	OTI2B9
Applications:	IHC, WB
Recommended Dilution:	WB 1:500, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 493-754 of human RNF20 (NP_062538) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	113.5 kDa
Gene Name:	ring finger protein 20
Database Link:	<a href="#">NP_062538</a> <a href="#">Entrez Gene 109331 Mouse</a> <a href="#">Entrez Gene 56254 Human</a> <a href="#">Q5VTR2</a>



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**Background:**

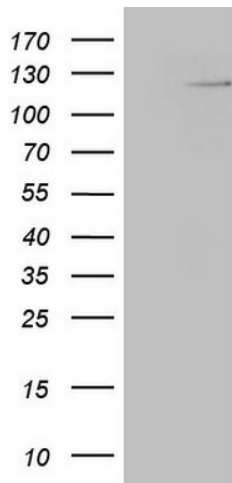
The protein encoded by this gene shares similarity with BRE1 of *S. cerevisiae*. The protein encoded by this human gene is an E3 ubiquitin ligase that regulates chromosome structure by monoubiquitinating histone H2B. This protein acts as a putative tumor suppressor and positively regulates the p53 tumor suppressor as well as numerous histone H2A and H2B genes. In contrast, this protein also suppresses the expression of several protooncogenes and growth-related genes, including many genes that are induced by epidermal growth factor. This gene selectively suppresses the expression of some genes by interfering with chromatin recruitment of transcription elongation factor SII (TFIIS). [provided by RefSeq, Feb 2012]

**Synonyms:**

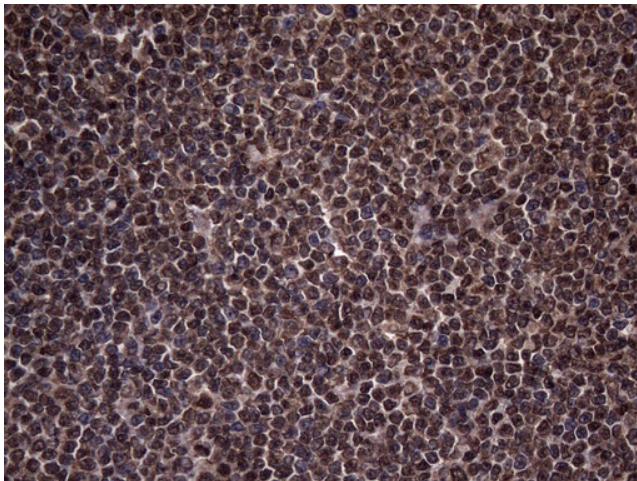
BRE1; BRE1A; hBRE1

**Protein Families:**

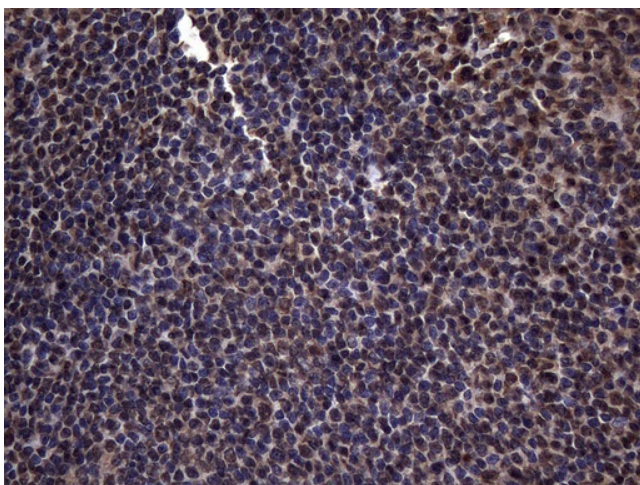
Druggable Genome

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY RNF20 (Cat# [RC218422], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-RNF20 (Cat# [TA807610])(1:500). Positive lysates [LY412703] (100ug) and [LC412703] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human Lymphoma tissue using anti-RNF20 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-RNF20 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.