

Product datasheet for **UM800183CF**

OLIG2 Mouse Monoclonal Antibody [Clone ID: UMAB294]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB294
Applications:	IHC
Recommended Dilution:	IHC 1:200
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment of human OLIG2 (NP_005797) 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)
Concentration:	1mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Predicted Protein Size:	32.2 kDa
Gene Name:	oligodendrocyte transcription factor 2
Database Link:	NP_005797 Entrez Gene 10215 Human Q13516



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Background:

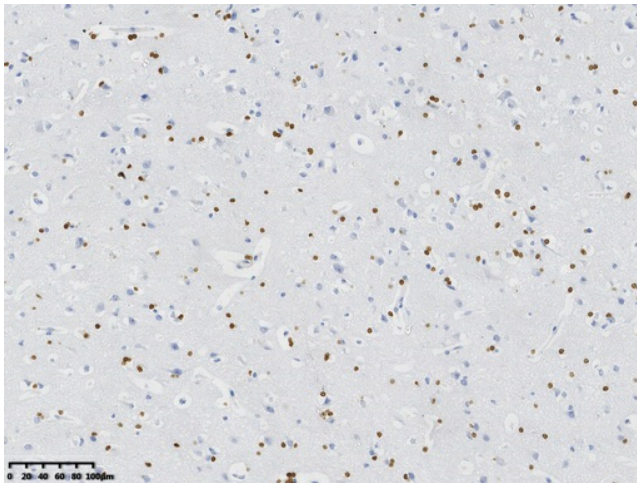
This gene encodes a basic helix-loop-helix transcription factor which is expressed in oligodendroglial tumors of the brain. The protein is an essential regulator of ventral neuroectodermal progenitor cell fate. The gene is involved in a chromosomal translocation t(14;21)(q11.2;q22) associated with T-cell acute lymphoblastic leukemia. Its chromosomal location is within a region of chromosome 21 which has been suggested to play a role in learning deficits associated with Down syndrome. [provided by RefSeq, Jul 2008]

Synonyms:

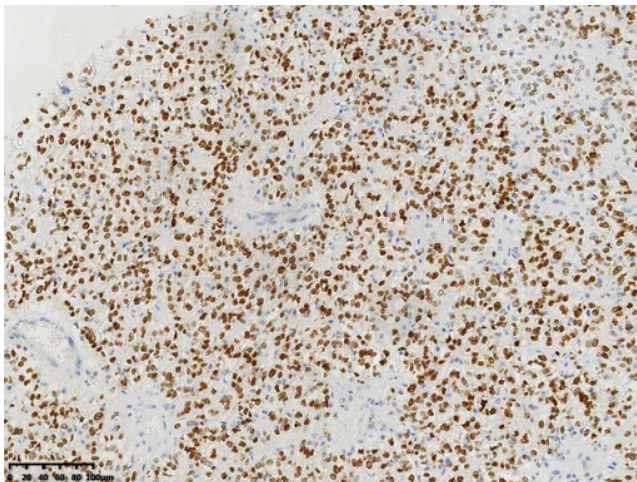
BHLHB1; bHLHe19; OLIGO2; PRKCBP2; RACK17

Protein Families:

Druggable Genome, Transcription Factors

Product images:

IHC staining of FFPE human adult brain tissue with in the normal limits using anti-OLIG2 mouse monoclonal antibody ([UM800183]) and Polink-2 HRP polymer detection kit ([D22-110]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 ([B04C-100]) at 120°C for 3 min. The brown stain indicates positive stain, blue is the counter stain.



IHC staining of FFPE human glioma tissue using anti-OLIG2 mouse monoclonal antibody ([UM800183]) and Polink-2 HRP polymer detection kit ([D22-110]). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 ([B04C-100]) at 120°C for 3 min. The brown stain indicates positive stain, blue is the counter stain.