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# Datasheet for ABIN513800 anti-BRAF antibody (AA 346-445)

4 Images

1 Publication



#### Overview

Quantity:	50 µg
Target:	BRAF
Binding Specificity:	AA 346-445
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This BRAF antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Proximity Ligation Assay (PLA)

# Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant BRAF.
Immunogen:	BRAF (NP_004324, 346 a.a. ~ 445 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	FRPADEDHRN QFGQRDRSSS APNVHINTIE PVNIDDLIRD QGFRGDGGST TGLSATPPAS LPGSLTNVKA LQKSPGPQRE RKSSSSSEDR NRMKTLGRRD
Clone:	3D2
Isotype:	lgG1
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

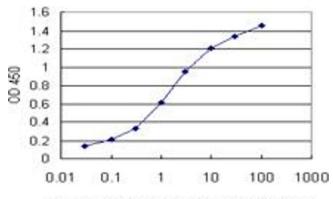
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### Target Details

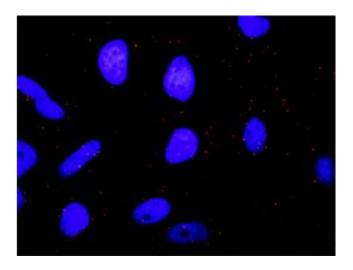
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Target:	BRAF
Alternative Name:	BRAF (BRAF Products)
Background:	Full Gene Name: v-raf murine sarcoma viral oncogene homolog B1
	Synonyms: B-RAF1,BRAF1,FLJ95109,MGC126806,MGC138284,RAFB1
Gene ID:	673
NCBI Accession:	NM_004333
Pathways:	MAPK Signaling, RTK Signaling, Neurotrophin Signaling Pathway, Ribonucleoprotein Complex
	Subunit Organization, Hepatitis C, Autophagy
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Handling Advice: Storage:	Aliquot to avoid repeated freezing and thawing. -20 °C

# Publications

Product cited in: Liu, Chen, Chau, Jan, Chen, Hsu, Lin, Juang, Lu, Cheng, Chen, Chang, Ting, Kao, Hsiao, Huang: " Analysis of protein-protein interactions in cross-talk pathways reveals CRKL protein as a novel prognostic marker in hepatocellular carcinoma." in: **Molecular & cellular proteomics : MCP**, Vol. 12, Issue 5, pp. 1335-49, (2013) (PubMed).



Recombinant ProteinConcentration(ng/ml)

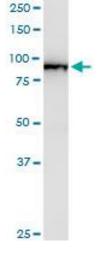


### **ELISA**

**Image 1.** Detection limit for recombinant GST tagged BRAF is approximately 0.03ng/ml as a capture antibody.

#### **Proximity Ligation Assay**

**Image 2.** Proximity Ligation Analysis of protein-protein interactions between MAPK3 and BRAF. HeLa cells were stained with anti-MAPK3 rabbit purified polyclonal 1:1200 and anti-BRAF mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



#### Western Blotting

**Image 3.** BRAF monoclonal antibody (M02), clone 3D2. Western Blot analysis of BRAF expression in human pancreas.

Please check the product details page for more images. Overall 4 images are available for ABIN513800.

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