

anti- ABL2 antibody

Product Information

Catalog No.:	FNab00053
Size:	100μg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Non-receptor tyrosine-protein kinase that plays an ABL1-overlapping role in key processes linked to cell growth and survival such as cytoskeleton remodeling in response to extracellular stimuli, cell motility and adhesion and receptor endocytosis. Coordinates actin remodeling through tyrosine phosphorylation of proteins controlling cytoskeleton dynamics like MYH10(involved in movement); CTTN(involved in signaling); or TUBA1 and TUBB(microtubule subunits). Binds directly F-actin and regulates actin cytoskeletal structure through its F-actin-bundling activity. Involved in the regulation of cell adhesion and motility through phosphorylation of key regulators of these processes such as CRK, CRKL, DOK1 or ARHGAP35. Adhesion-dependent phosphorylation of ARHGAP35 promotes its association with RASA1, resulting in recruitment of ARHGAP35 to the cell periphery where it inhibits RHO. Phosphorylates multiple receptor tyrosine kinases like PDGFRB and other substrates which are involved in endocytosis regulation such as RIN1. In brain, may regulate neurotransmission by phosphorylating proteins at the synapse. ABL2 acts also as a regulator of multiple pathological signaling cascades during infection. Pathogens can highjack ABL2 kinase signaling to reorganize the host actin cytoskeleton for multiple purposes, like facilitating intracellular movement and host cell exit. Finally, functions as its own regulator through autocatalytic activity as well as through phosphorylation of its inhibitor, ABI1.

Immunogen information

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Wuhan Fine Biotech Co., Ltd.

B9 Bld, High-Tech Medical Devices Park, No. 818 GaoxinAve.East Lake High-Tech Development Zone.Wuhan, Hubei, China(430206)

Tel : (0086)027-87384275

Fax: (0086)027-87800889 www.fn-test.com

Immunogen:	v-abl Abelson murine leukemia viral oncogene homolog 2(arg, Abelson-related gene)
Synonyms:	Abelson related gene protein, ABL2, ABLL, ARG, FLJ22224, FLJ31718, FLJ41441, Tyrosine protein kinase ABL2, Tyrosine protein kinase ARG
Observed MW:	127 kDa
UniprotID :	P42684

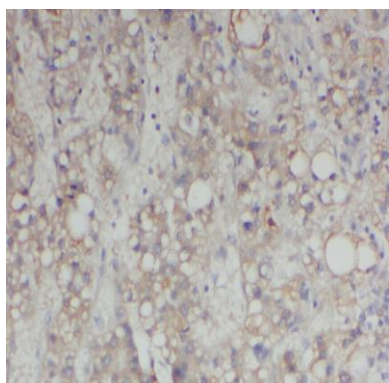
Application

Reactivity: Human, Mouse, Rat

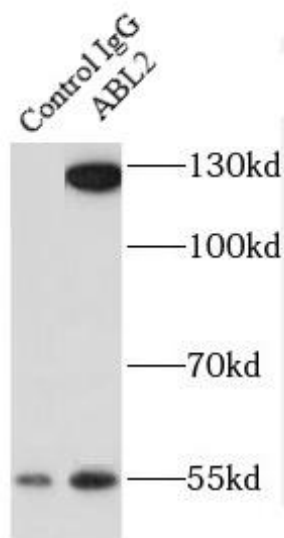
Tested Application: ELISA, WB, IF, IHC, IP

Recommended dilution: WB: 1:500-1:5000; IHC: 1:20-1:200; IF: 1:10-1:100; IP: 1:200-1:2000

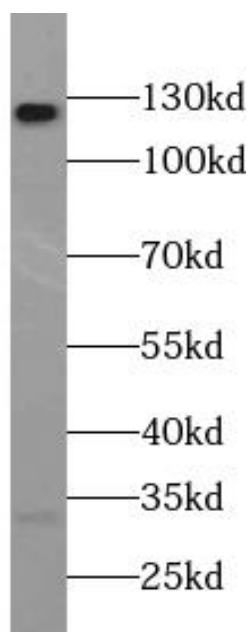
Image:



Immunohistochemistry of paraffin-embedded human liver cancer tissue slide using FNab00053(ABL2 Antibody) at dilution of 1:50



IP Result of anti-ABL2 (IP:FNab00053, 4ug;
Detection:FNab00053 1:500) with HeLa cells
lysate 1200ug.



HeLa cells were subjected to SDS PAGE followed
by western blot with FNab00053 (ABL2 antibody)
at dilution of 1:500