9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

20-1065: Polyclonal antibody to FLIP

Clonality :	Polyclonal
Application :	IP,IHC,WB
Reactivity :	Human
Gene :	CFLAR
Gene ID :	8837
Uniprot ID :	O15519
Format :	Sera
Alternative Name :	CASH, CASP8AP1,CLARP,MRIT
Isotype :	Rabbit IgG
Immunogen Information :	A synthetic peptideof human FLIP (amino acids 75-92 DRKAVETHLLRNPHLVS) was used as immunogen for this antibody

Description

This antibody recognizes FLIP long and short, isoforms that contain the peptide immunogen sequence (DRKAVETHLLRNPHLVSD). Human FLIP is a 480 amino acid protein which contains two death effector domains (DEDs) and a caspase-like domain. FLIP interacts with adapter protein FADD and caspase-8 and 10, and potently inhibits apoptosis induced by death receptors.However, the functions of FLIP remain to be fully elucidated and there is some evidence FLIP may also act as an activator of caspase-8/-10 in certain cases, thereby taking on an apoptosis promoting role.Cell death signals are transduced by death domain (DD)- containing adapter molecules and members of the caspase (ICE/CED-3) protease family. Most if not all, forms of apoptosis involve activation of the caspases. Caspases-8 (FLICE) and -10 (FLICE2) are two pivotal members in the caspase family. FLICE-inhibitory proteins were identified in virus and human and designated v-FLIPs and FLIP, respectively. The human FLIP was also cloned by several labs independently and termed Casper , I-FLICE, FLAME-1, CASH and CLARP3-7.

Product Info

Amount :	50 µl
Content :	50 µl sera
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

WB: 1:1000-1:2000, IHC (paraffin): 1:1000-1:5000, IHC (frozen): Users should optimize, IP: 1:50-1:200

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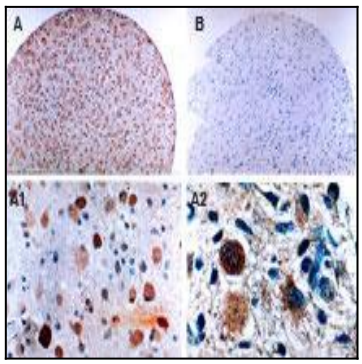


Fig:1 Immunhohistochemical analysis of FLIP in two tissues cores from a formalin-fixed, paraffin-embedded human brain tumor microarray using 20-1065 at 1:2000. A, gemistocytoma (Grade II) positive for FLIP expression. B, gemistocytoma (Grade II) negative for FLIP expression. A1 and A2 are higher magnifications from A. A, A1, and A2 show expression of FLIP in the gemistocytes of the tumor. Hematoxylin-eosin counterstain.

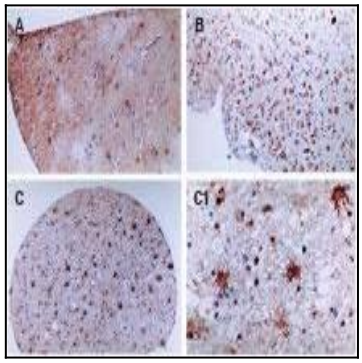


Fig:2 Immunhohistochemical analysis of FLIP in tissues cores from a formalin-fixed, paraffin-embedded human brain tumor microarray using 20-1065 at 1:2000. A-C, tissue cores from a patient with gemistocytoma. A, normal adjacent brain tissue. Astrocytes are positive for Flip expression. B, gemistocytoma (Grade II). Gemistocytes are positive for Flip expression. C, peritumoural oedma brain tissue. Reactive astrocytocytes are positive for FLIP expression. C1, a higher magnification of C. Collectively, the data shows that astrocytes (normal), reactive astrocytes and gemistocytes are positive for Flip expression. Hematoxylin-eosin counterstain.

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