

beta-Actin Antibody [10B7]
Catalog # ASC12039**Specification**

beta-Actin Antibody [10B7] - Product Information

Application	WB
Other Accession	12803203 , AAH02409 , 60
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Chicken, Drosophila
Host	Mouse
Clonality	Monoclonal
Isotype	IgG
Application Notes	b-actin antibody can be used for the detection of b-actin by Western blot at 0.5 - 2 µg/mL.

beta-Actin Antibody [10B7] - Additional Information**Other Names**

beta-Actin Antibody: Beta actin, b actin

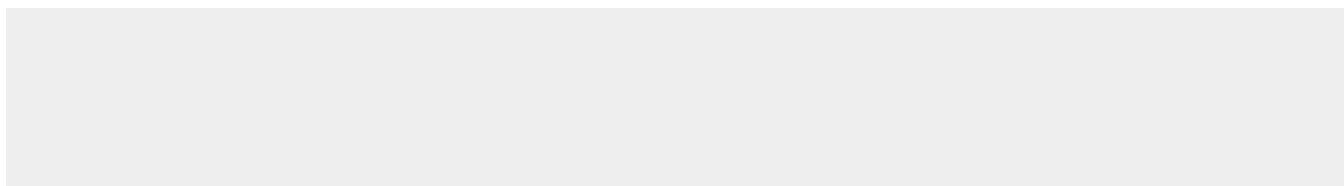
Precautions

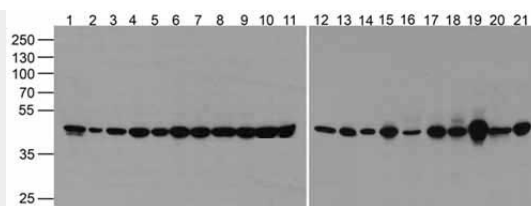
beta-Actin Antibody [10B7] is for research use only and not for use in diagnostic or therapeutic procedures.

beta-Actin Antibody [10B7] - Protein Information**beta-Actin Antibody [10B7] - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

beta-Actin Antibody [10B7] - Images



Western blot of beta-Actin in 293, A431, HepG2, Jurkat, K562, MOLT, 3T3, Raji, Ramos, THP-1, U937, human brain, mouse brain, rat brain, rabbit brain, rat liver, rabbit spleen, chicken liver, chicken small intestine, zebrafish, and drosophila lysate at 1 µg/mL.

beta-Actin Antibody [10B7] - Background

Actins are highly conserved proteins that are involved in cell motility, structure and integrity, processes that are crucial for tissue development and the development of organism. The actin cytoskeleton is one of the principal drivers of cell motility and is capable of responding to complex signaling cascades. Recent evidence suggests that it may play key roles in regulating apoptosis and aging. Beta actin is one of six different actin isoforms which have been identified. Like GAPDH, beta-Actin is constitutively expressed at high levels in almost all tissues and cell lines making it ideal for use as a loading control marker in immunoblots.

beta-Actin Antibody [10B7] - References

Lambrechts A, Van Troys, M and Ampe C. The actin cytoskeleton in normal and pathological cell motility. *Int. J. Biochem. Cell Biol.* 2004; 36:1890-909.; Gourlay CW and Ayscough KR. The actin cytoskeleton: a key regulator of apoptosis and ageing. *Nat. Rev.* 2005; 6:583-9.;;