

**Anti-beta Actin (ACTB) Antibody**

Code: RA1001

**Product Details**

Size	50ul
Species Reactivity	Human, Mouse, Rat, Chicken, Zebrafish, Pig, Oryza sativa
Host/Isotype	Rabbit /IgG
Class	Mmonoclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein of human $\beta$ -actin
Form	Liquid
Purification	Affinity purification
Storage buffer	PBS with 0.09% sodium azide,50% glycerol,pH7.3.
Contains	0.1% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
Swiss Prot	P60709

Applications	Tested Dilution	Publications
Western Blot (WB)	1:10000 - 1:100000	-
Immunohistochemistry (IHC)	1:200 - 1:2000	-
Immunohistochemistry (Paraffin) (IHC (P))	-	-
Immunocytochemistry (ICC/IF)	-	-

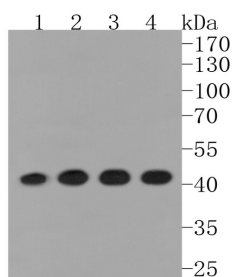
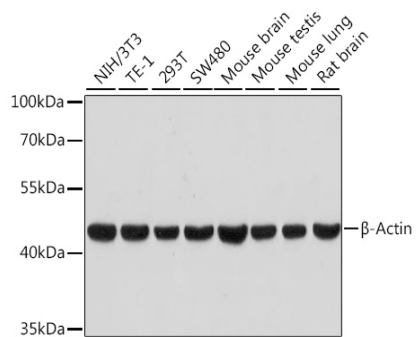
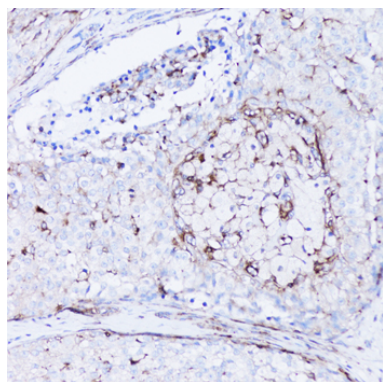
**Images**

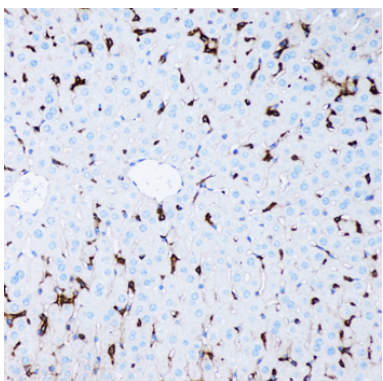
Fig1: Western blot analysis of Actin on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (RA1001, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (S1002) at 1:5,000 dilution was used for 1 hour at room temperature.  
Positive control:  
Lane 1: PC-12 cell lysate  
Lane 2: HeLa cell lysate  
Lane 3: A431 cell lysate  
Lane 4: zebrafish tissue lysate



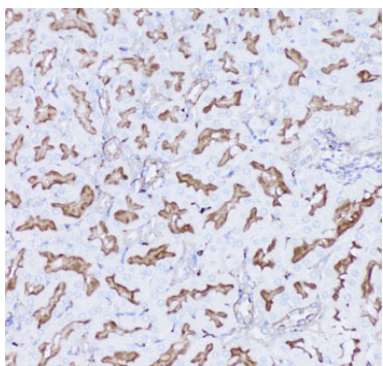
**Fig2:**Western blot analysis of extracts of various cell lines, using  $\beta$ -actin antibody (RA1001) at 1:100000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (S1002) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RW0601). Exposure time: 30s.



**Fig3:**Immunohistochemistry of paraffin-embedded human breast cancer using  $\beta$ -actin antibody (RA1001) at dilution of 1:100 (20x lens).



**Fig4:**Immunohistochemistry of paraffin-embedded mouse liver using  $\beta$ -actin antibody (RA1001) at dilution of 1:100 (20x lens).



**Fig5:**Immunohistochemistry of paraffin-embedded rat kidney using  $\beta$ -actin antibody (RA1001) at dilution of 1:100 (20x lens).

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