HRP-conjugated Mouse anti-Rabbit IgG Light Chain

Catalog No.: AS061

76 Publications

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Basic Information

Observed MW
25kDa(Light chain)

Calculated MW

Category
Tag Antibodies

Applications
WB, IP, ELISA

Cross Reactivity
Rabbit

Clone No.
AMC0531

Background

Secondary antibodies are affinity-purified antibodies which will work with target-specific primary antibody in the detection, sorting or purification of its specified target. Secondary antibodies offer increased versatility enabling users to use many detection systems (e.g. HRP, AP, fluorescence). They can also provide greater sensitivity through signal amplification as multiple secondary antibodies . Most commonly, secondary antibodies are generated by immunizing the host animal (different from host species of primary antibody) with a pooled population of normal immunoglobulins from the host species of primary antibody and can be further purified and modified (i.e. antibody fragmentation, label conjugation, etc.) to ensure well-characterized specificity to corresponding normal immunoglobulins.

Recommended Dilutions

WB	1:5000 - 1:10000
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
ELISA	Recommended starting concentration is 1 μg /mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID **Swiss-Prot**

Immunogen
This information is considered to be commercially sensitive.

Synonyms

Product Information

Source
Mouse

Isotype
IgG1,Kappa

Purity
Affinity purification

Storage
Store at -20℃

Contact

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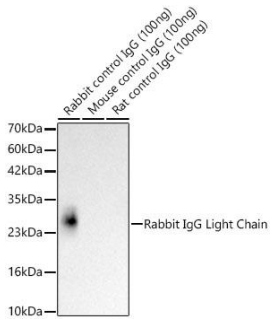
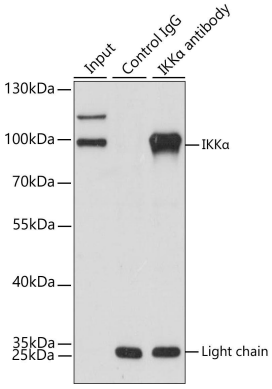
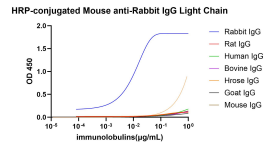
Validation Data



Western blot analysis of recombinant Rabbit/Mouse/Rat control IgG Protein using HRP-conjugated Mouse Anti-Rabbit IgG Light Chain (AS061) at 1:10000 dilution.
Lysates/proteins: 100 ng per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Immunoprecipitation analysis of 200 µg extracts of 293T cells using 3 µg IKKα antibody (A2062). Western blot was performed from the immunoprecipitate using IKKα antibody (A2062) at a dilution of 1:1000. Secondary antibody: HRP-conjugated AffiniPure Mouse Anti-Rabbit IgG Light Chain (AS061) at 1:20000 dilution.



Dose response curve of HRP-conjugated Mouse anti-Rabbit IgG Light Chain measured by ELISA. 1 µg/mL of various immunoglobulins were coated to 384-well plate. The coated plate was blocked and subsequently incubated with 25 µL of HRP conjugated in a 3 fold serial dilution from 1 µg/mL to 8.14*10^-5 µg/mL, incubation was performed at room temperature for 1 hour. The ELISA result demonstrated that HRP-conjugated Mouse anti-Rabbit IgG Light Chain has highly specific recognition of Rabbit IgG while no or minimal cross reactivity to Human IgG, Mouse IgG, Rat IgG, Bovine IgG, Goat IgG, Horse IgG.