Leader in Biomolecular Solutions for Life Science

HRP-conjugated Donkey anti-Rabbit IgG (H+L)

Catalog No.: AS038

26 Publications

www.abclonal.com

Basic Information

Observed MW
42kDa

Calculated MW

Category
Secondary Antibodies

Applications
WB, IHC-P, ELISA

Cross Reactivity
Rabbit

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 - 1:100000
IHC-P	1:50 - 1:200

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

Contact

400-999-6126
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Product Information

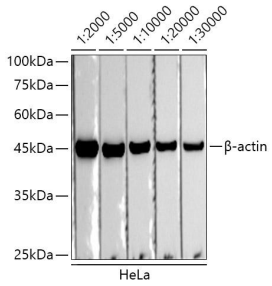
Source
Donkey

Isotype
Horseradish peroxidase conjugated IgG

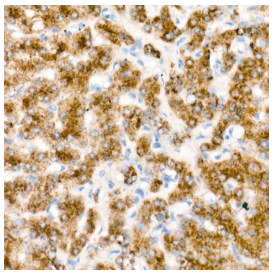
Purity
Affinity purification

Storage
Store at -20℃

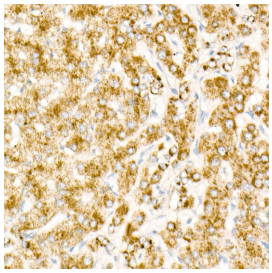
Validation Data



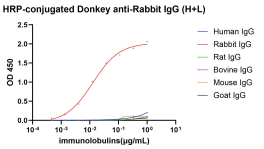
Western blot analysis of lysates from HeLa cells, using β-actin antibody as the primary antibody.
Secondary antibody: HRP-conjugated Donkey anti-Rabbit IgG (H+L) (AS038) at 1: 2000-1:30000 dilution
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Human liver (primary antibody is acox1) using HRP-conjugated Donkey anti-Rabbit IgG (H+L) (AS038) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver (the primary antibody is acox1, And the control secondary antibody is stained) using HRP-conjugated Donkey anti-Rabbit IgG (H+L) (AS038) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Dose response curve of HRP-conjugated Donkey anti-Rabbit IgG (H+L) 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 5.2*10^-3 µg/mL, incubation was performed at room temperature for 1 hour. The ELISA result demonstrated that HRP-conjugated Donkey anti-Rabbit IgG (H+L) has highly specific recognition of Rabbit IgG while no or minimal cross reactivity to Human IgG, Mouse IgG, Rat IgG, Bovine IgG, Goat IgG.