

# Anti-Mouse Ig:HRP

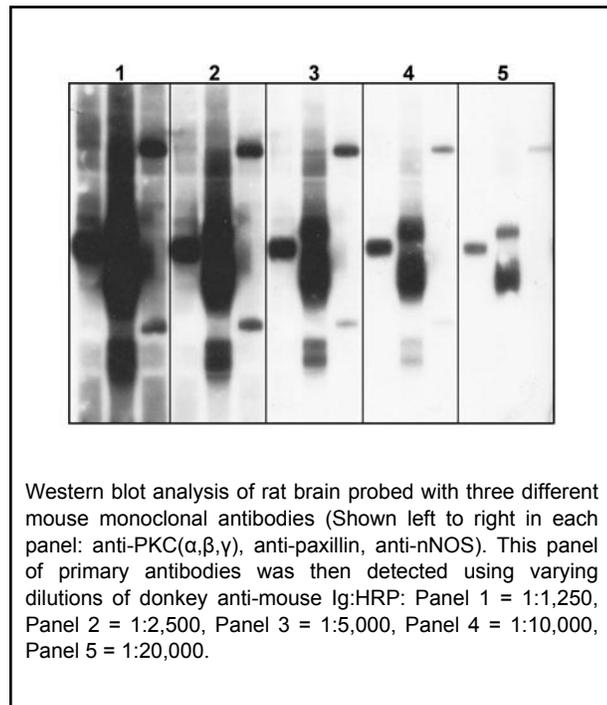
## Donkey Polyclonal

Cat. # MS3001

Size 100 µl

### Background

An array of chromogenic, fluorogenic and chemiluminescent substrates are available for use with HRP conjugated secondary antibodies. HRP is a 40 kDa protein that catalyzes the oxidation of substrates by hydrogen peroxide, resulting in a colored or fluorescent product or the release of light as a byproduct of the reaction. HRP functions optimally at a near-neutral pH and can be inhibited by cyanides, sulfides and azides. Antibody-HRP conjugates are superior to antibody-AP conjugates with respect to the specific activities of both the enzyme and antibody. In addition, its high turnover rate, good stability, low cost and wide availability of substrates makes HRP the enzyme of choice for most applications. HRP can be used for chemiluminescent readout in western blot, colorimetric readout in ELISA, and precipitation reactions useful in immunocytochemistry and immunohistochemistry.



### Background References

Mattson, D.L. & Bellehumeur, T.G. (1996). *Anal. Biochem.* 240:306.

### Applications

WB	1:5000
ELISA	1:10000
ICC	1:1000
IHC	1:1000

### Species Reactivity

Ms

### Specificity

This antibody has been pre-adsorbed with various immunoglobulins from non-mouse species before affinity-purification using mouse IgG coupled to agarose beads. Purified donkey polyclonal antibody was conjugated to horseradish peroxidase (HRP). This secondary reagent can be used to detect mouse immunoglobulins in various antibody applications that utilize HRP readouts, such as western blot, ELISA, immunocytochemistry, and immunohistochemistry.

End user should determine optimal dilution for their particular applications and experiments.  
Western blot membranes were incubated with diluted antibody in 5% non-fat milk, PBS, 0.04% Tween20 for 1 hour at room temperature.

\*All molecular weights (MW) are confirmed by comparison to Bio-Rad Rainbow Markers and to western blot mobilities of known proteins with similar MW.

### Immunogen

The HRP-conjugated donkey polyclonal secondary reagent reacts with the whole molecule mouse IgG, and the light chains of other mouse immunoglobulins. The secondary reagent has minimal cross-reactivity with bovine, chicken, goat, horse, human, rabbit, rat, and sheep immunoglobulins.

### Buffer and Storage

Donkey polyclonal antibody is supplied in 100µl phosphate-buffered saline, 50% glycerol, and 1 mg/ml BSA. Store at -20°C. Stable for 1 year. Note: Use of sodium azide as preservative substantially inhibits the enzyme activity of HRP.

### Related Products

- MS3031 Anti-Mouse Ig:DyLight® 594 Goat Polyclonal
- MS3011 Anti-Mouse Ig:DyLight® 488 Goat Polyclonal
- RS3201 Anti-Rabbit Ig:HRP Goat Polyclonal
- RS3251 Anti-Rabbit Ig Light-Chain Specific:HRP Mouse Monoclonal
- RS3261 Anti-Rabbit Ig:DyLight® 488 Goat Polyclonal

### Product References

- Estrada-Bernal, A. et al. (2011) *J Neurooncol.* 102:353. Western Blot

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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