

Product datasheet for **R1064HRPS**

lacZ Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: ELISA, IHC, WB

Recommended Dilution: Suitable for Immunoblotting (Western or dot blot), ELISA, Immunofluorescence microscopy, Immunoprecipitation, conjugation and most immunological methods requiring high titer and specificity.

Western blot: 1/5,000-1/10,000.

A 1/5,000 dilution has been reported to be successful for staining by Immunoblot of Beta-galactosidase fusion proteins after transfer using a semi-dry transfer apparatus).

ELISA: 1/10,000.

Immunohistochemistry: 1/1,500.

The antibody recognizes both Frozen tissue sections, Paraffin embedded tissue and 4% paraformaldehyde fixed tissue for most immunohistochemical analysis: A 1/1,500 dilution has been reported to detect Beta-galactosidase in adult rat spinal cord tissue after infection with helper-dependent adenovirus expressing lacZ. In this particular experiment, tissue was perfused with 4% paraformaldehyde and cryostat-cut (35 µm) to produce free-floating sections.

A 1/5,000 dilution has been reported for immunofluorescent staining of methanol fixed, devitellinized Drosophila embryos. Although a wide range of conditions was reported to be effective, a 1/10,000 dilution was noted to show no background and to be suitable for double labeling experiments).

A 1/5,000 dilution has been reported to be successful for staining brain sections from transgenic mice expressing nuclear Beta-galactosidase when assayed by

Immunofluorescence microscopy.

Reactivity: Escherichia coli

Host: Rabbit

Clonality: Polyclonal

Immunogen: Beta-galactosidase isolated from *E.coli*



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Specificity:	This antibody detects Beta-galactosidase [<i>E. coli</i>]. Cross reactivity against Beta-galactosidase from other tissues and species may occur but have not been specifically determined. Very low background staining has been reported in various assays. Immunoelectrophoresis gives a single precipitin arc against anti-peroxidase, and anti-rabbit serum as well as purified and partially purified Beta-galactosidase [<i>E.coli</i>].
Formulation:	0.02M Potassium phosphate, 0.15M Sodium chloride, pH 7.2 Label: HRP State: Purified State: Lyophilized purified IgG fraction Stabilizer: 10 mg/ml BSA (immunoglobulin and protease free) Preservative: 0.01% (w/v) Gentamicin sulfate (Do NOT add Sodium azide!) Label: Horseradish peroxidase
Reconstitution Method:	Restore with 0.1 ml of deionized water (or equivalent).
Concentration:	lot specific
Purification:	Multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer
Conjugation:	HRP
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	P00722
Synonyms:	Beta-Gal tag, lacZ tag, b0344, JW0335, Beta-Gal Fusion Protein, Lactase