

BP464HRP**Polyclonal Antibody to FITC - HRP****Alternate names:**

Fluorescein Isothiocyanate

Quantity:

1 ml

Concentration:

1-2 mg/ml (OD280)

Background:

FITC (fluorescein isothiocyanate) is a fluorochrome dye that absorbs ultraviolet or blue light causing molecules to become excited and emit a visible yellow-green light. This emission ceases upon removal of the light causing the excitation. Fluorochrome labeling provides rapid, accurate localization of antigen-antibody interaction when one of the reactants is part of a cell, tissue or other biological structure. FITC is a commonly used marker for antibodies in immunofluorescent techniques since the conjugation of FITC to proteins is relatively easy and does not, in general, destroy the biological activity of the labeled protein. FITC is widely used as a hapten to label different proteins.

Host:

Rabbit

Immunogen:

FITC-KLH conjugate

Format:**State:** Liquid purified IgG fraction.**Purification:** Solid Phase hapten-antibodies capture.**Buffer System:** Saline Phosphate containing 0.02% Thimerosal as preservative and 10 mg/ml BSA as stabilizer.**Label:** HRP – The affinity purified and absorbed antibody was covalently coupled to a highly purified preparation of Horseradish Peroxidase (RZ>3). Care is taken to ensure adequate conjugation while preserving maximum enzyme activity. Free enzyme is removed*Molar Ratio:* HRP:IgG is >1.5**Applications:**

Suitable for use in Western Blot and ELISA.

Recommended Chromogens:

Diaminobenzidine or TMB for immunohistochemistry;

4-chloro naphthol for Immunoblotting and

O-phenylenediamine or ABTS for Enzymeimmunoassay.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

Recognizes Fluorescein.

No cross reactivity with Immunoglobulin of any species.

Storage:

Store the antibody (undiluted) at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Caution:

Sodium Azide is a potent inhibitor of Peroxidase!