

p53 Antibody, HRP

Product Description

This antibody was developed and affinity purified using a peptide based on the human p53 sequence (4-40 aa). The antibody was conjugated to peroxidase (HRP) via reductive amination. It was tested to detect the human p53 specifically in human cell and tissue. Direct labeling of peroxidase of the primary antibody is believed to avoid the effect of the IgG (50-60 kDa) signal from the use of secondary antibodies.

Species

Rabbit

Formulation

250 µg/mL in stabilized buffer with 50% glycerol

Storage & Stability

Product is stable for several weeks at 4°C. For extended storage, store product at -20°C. Expiration date is six months from date of shipping if stored properly.

Immunogen

Human p53 peptide (15 - 40 aa) KLH conjugates

Conjugation

Reductive Amination; HRP/Ab ratio - 2:1

Purification

Peptide-affinity chromatography

Specificity

The antibody recognizes human p53 in cell and tissue.

Applications

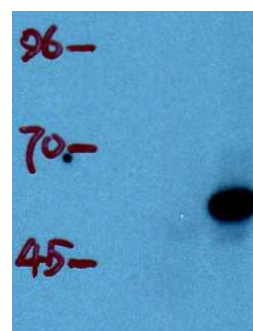
ELISA (1:2500)

WB (1:2500)

Catalog #: ICP7115

P53 (tumour protein 53 or TP53) regulates the cell cycle by acting as a transcription factor. It suppresses tumours and hence it is often described as "the guardian of the genome", "the guardian angel gene", or the "master watchman". This is referring to its role in conserving stability by preventing genome mutation. P53 refers to its molecular mass (53 kDa) on SDS-PAGE.

Sample Data



Western blot analysis of p53 in HeLa cell lysates (right) and CHO cell lysates (left) with anti-p53 HRP (ICP7115), 1 µg/mL

Scientific Description

For in vitro research use only. Not recommended or intended for diagnosis of diseases in humans or animals. Do not use in humans or in animals.

MATERIAL SAFETY DATA SHEET

Article 1 - Product Identification and Use

Product Name: p53 Antibody, HRP

Catalog #: ICP7115

This product is sold only for research use by qualified laboratory personnel, and is not to be used as a drug, medical device, food additive, cosmetic, nor household chemical. It is not to be used in diagnostic, therapeutic, consumer, agricultural, nor pesticidal applications.

Manufacturer's Name: ImmuneChem Pharmaceuticals Inc.
Street Address: #253-5489 Byrne Road
City, Prov. Postal Code: Burnaby, BC, V5J 3J1
Fax: 604-431-6425
EMERGENCY PHONE: 604-453-0169

Article 2 - Hazardous Ingredients

NOT AVAILABLE. We are not aware of any hazards associated with this product or its ingredients, but the chemical, physical, and toxicological properties of this product have not been investigated thoroughly. Observe normal laboratory precautions.

Article 3 - Physical Data

Transparent liquid.

Article 4 - Fire and Explosion Hazard

NOT APPLICABLE

Article 5 - Reactivity Data

- Chemical Stability: Stable under recommended storage conditions.
 - Conditions to avoid: Light.
 - Materials to Avoid: Strong oxidizing agents.
 - Hazardous Products: Formed under fire conditions – Carbon oxides, Hydrogen bromide gas.
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Article 6 – Toxicologically Data

May be harmful by inhalation, ingestion, or skin absorption. The toxicological properties of this product have not been investigated thoroughly. Exercise due caution.

Article 7 - Preventative Measures

Wear chemical safety goggles and compatible chemical-resistant gloves. Avoid inhalation, contact with eyes, skin or clothing.

*****MULTIPLE COMPONENT SPILL OR LEAK PROCEDURES*****

- Wear protective equipment.
 - Absorb on sand or vermiculite and place in closed containers for disposal.
 - Observe all federal, state and local environmental regulations.
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Article 8 - First Aid Measures

- If swallowed, wash out mouth with water, provided person is conscious. Call a physician.
 - In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If a rash or other irritation develops, call a physician.
 - If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
 - In case of eye contact, flush with copious amounts of water for at least 15 minutes while separating the eyelids with fingers. Call a physician.
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Article 9 - Preparation

Prepared By: Hao Xiao

Phone #: 1-604-431-6425

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. ImmuneChem shall not be held liable for any damage resulting from handling or from contact with the above product. See the Technical Specification, Packing Slip, Invoice, and Product Catalogue for additional terms and conditions of sale.

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T: 604-431-6425 ☐ F: 604-453-0169 ☐ orders@immunechem.com ☐ www.immunechem.com