

Rabbit Polyclonal Antibody p40

Catalog No.:	PDR 055
Intended Use:	This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin fixed paraffin embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person(s) when evaluating and interpreting results.
Immunogen:	a synthetic peptide corresponding to amino acids 5-17 of human p40.
Host:	Rabbit.
Format:	6.0 ml prediluted ready to use rabbit polyclonal p40 antibody in PBS buffer containing 0.05% sodium azide as a preservative.
Staining Protocol:	<u>Suitable for formalin fixed, paraffin embedded tissue sections. Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 or 1mM EDTA buffer, pH 8.0 or 9.0 prior to immunostaining.</u>

Antigen Retrieval Solution	Antibody incubation
Citrate Buffer pH 6.0	30 min at Room Temperature
EDTA Buffer pH 8.0 – 9.0	15 min at Room Temperature

Specificity:	p40 is a relatively unknown antibody that recognizes Δ Np63-a p63 isoform suggested to be highly specific for squamous/basal cells. In a recent study, p40 is equivalent to p63 in sensitivity for squamous cell carcinoma, but it is markedly superior to p63 in specificity ¹ , which eliminates a potential pitfall of misinterpreting a p63-positive adenocarcinoma or unsuspected lymphoma as squamous cell carcinoma. These findings strongly support the routine use of p40 in place of p63 for the diagnosis of pulmonary squamous cell carcinoma.
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IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

DBS

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- Positive Control:** Lung Squamous cell Ca, Prostate.
- Cellular Localization:** Nuclear.
- Storage:** Store at 2-8°C. Do not use beyond the expiration date stated on the label.
- References:**
1. Bishop JA, *et al.* p40 (Δ Np63) is superior to p63 for the diagnosis of pulmonary squamous cell carcinoma. *Mod Pathol.* 10.1038/modpathol.2011.173.
 2. Pelosi G, *et al.* Δ Np63 (p40) and thyroid transcription factor-1 immunoreactivity on small biopsies or cellblocks for typing non-small cell lung cancer: a novel two-hit, sparing-material approach. *J Thorac Oncol.* 2012 Feb; 7(2):281-90.

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