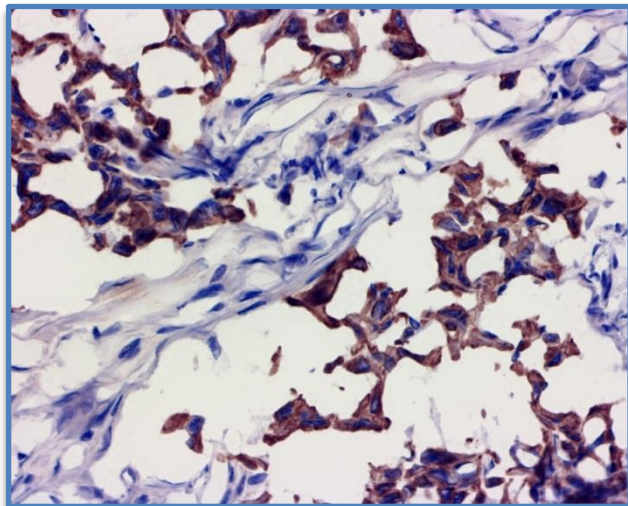
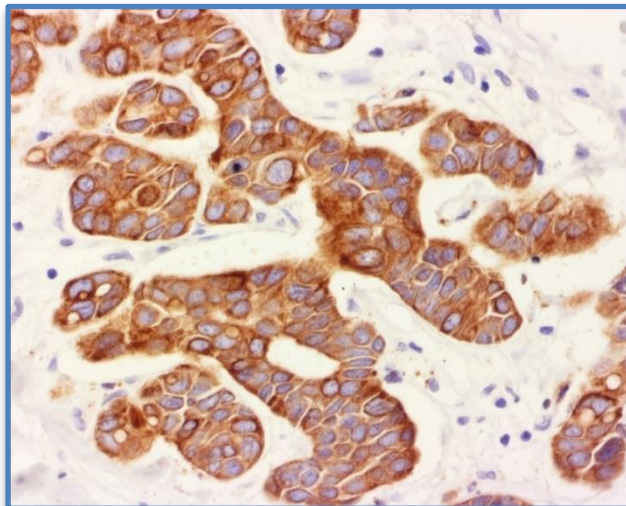


ihcDirect[®] Cytokeratin 8/18 Kit Anti-Human Cytokeratin 8/18 (Clone C94)



Lung Adenocarcinoma Using Frozen Tissue



Breast Cancer Using FFPE Tissue

Catalog Number: K41001-XXX:

Package Size: -005: For ~50 IHC Tests using frozen or FFPE tissues
(XXX) -010: For ~100 IHC Tests using frozen or FFPE tissues

Antibody: Mouse

Storage: Store at 4°C upon receiving. **DO NOT FREEZE.**

Intended Use: For In Vitro Diagnostic Use

Polymerized horseradish peroxidase (pHRP)-labeled anti-human cytokeratin 8/18 (CK 8/18) antibody (cytokeratin 8/18 pHRP) is intended for laboratory use to qualitatively identify by light microscopy the presence of CK 8/18 in sections of formalin-fixed, paraffin-embedded tissue sections or frozen tissues using immunohistochemistry (IHC) test methods. The clinical interpretation of any staining or its absence should be complemented by morphological studies using proper controls and should be evaluated within the context of the patient's clinical history and other diagnostic tests by a qualified pathologist/physician. This conjugate has been pre-diluted and optimized for IHC use without further dilution.

Summary and Explanation:

The Cytokeratin 8/18 antibody recognizes human cytokeratin intermediate low molecular weight filament proteins of 52.5 kD and 45 kD, i.e., cytokeratins 8 and 18, respectively. Cytokeratins 8 and 18 are expressed in most simple and glandular epithelium, such as thyroid, female breast, gastrointestinal tract, and respiratory tract. In cancer tissues, adenocarcinomas express these proteins, but keratinizing squamous cell carcinomas do not. Antibodies to CK8 and CK18 may be utilized in the classification of tumors of epithelial origin (Cimpean et al., 2008; Reisenblichler 2013). The key component in this kit is horseradish peroxidase (HRP) polymer (PolyHRP) labeled mouse anti-human cytokeratin 8/18 antibody (clone C94). The ihc Blocker provided in the kit used prior to applying CK 8/18 pHRP conjugate will reduce background and nonspecific staining. Chromogen 3,3'-diaminobenzidine (DAB) is used in this kit.

