10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Cytokeratin, pan Antibody

Rabbit Polyclonal Antibody
Catalog # AH13696

Product Information

Application	WB, IHC-P, IF, FC
Primary Accession	Q7Z794
Other Accession	334989 (KRT77), 654392 (KRT76), 51350 (KRT76), Q01546 (KRT76)
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit / IgG, kappa
Clone Names	N/A
Calculated MW	61901

Additional Information

Gene ID	374454
Other Names	K1B; KRT1B; Keratin, type II cytoskeletal 1b; K77; CK-1B; Keratin 1B; Keratin-77; Cytokeratin-1B; Type-II Keratin Kb39
Application Note	Flow Cytometry (0.5-1ug/million cells); ,Immunofluorescence (1-2ug/ml); Western Blotting (0.5-1ug/ml for 2 hours at RT); ,Immunohistology (Formalin-fixed) (0.25-0.5ug/ml for 30 min at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Format	200ug/ml of Ab purified by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage	Store at 2 to 8°C.Antibody is stable for 24 months.
Precautions	Anti-Cytokeratin, pan Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KRT77 (HGNC:20411)
Synonyms	KRT1B
Function	Structural component of intermediate filaments in epithelial cells of stratified epithelia. Assembles into heteropolymers with a type I keratin, forming keratin intermediate filament networks contributing to epithelial

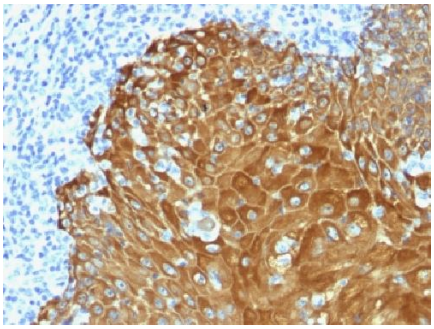
integrity.

Tissue Location Expressed in skin..

Background

Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, which 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8); 56.5kDa (CK10); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 40kDa (CK19). Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. It is a broad spectrum anti pan-cytokeratin antibody, which differentiates epithelial tumors from non-epithelial tumors e.g. squamous vs. adenocarcinoma of the lung, liver carcinoma, breast cancer, and esophageal cancer. It may be useful to characterize the source of various neoplasms and to study the distribution of cytokeratin containing cells in epithelia during normal development and during the development of epithelial neoplasms. This antibody stains cytokeratins present in normal and abnormal human tissues and has high sensitivity in the recognition of epithelial cells and carcinomas.

Images



Formalin-fixed, paraffin-embedded human Skin stained with Pan-Cytokeratin Rabbit Polyclonal Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.