# ERCC6L Antibody

Catalog No: #36448

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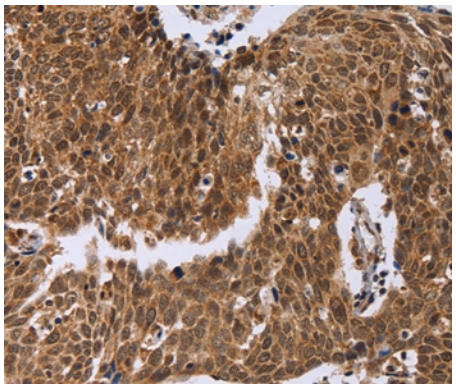
## Description

| | |
|---|---|
| Product Name | ERCC6L Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antigen affinity purification. |
| Applications | IHC |
| Species Reactivity | Hu |
| Specificity | The antibody detects endogenous levels of total ERCC6L protein. |
| Immunogen Type | Recombinant Protein |
| Immunogen Description | Fusion protein corresponding to residues near the C terminal of human excision repair cross-complementation group 6-like |
| Target Name | ERCC6L |
| Other Names | PICH; RAD26L |
| Accession No. | Swiss-Prot#: Q2NKX8NCBI Gene ID: 54821Gene Accssion: BC008808 |
| Uniprot | Q2NKX8 |
| GeneID | 54821; |
| Concentration | 1.2mg/ml |
| Formulation | Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol. |
| Storage | Store at -20°C |

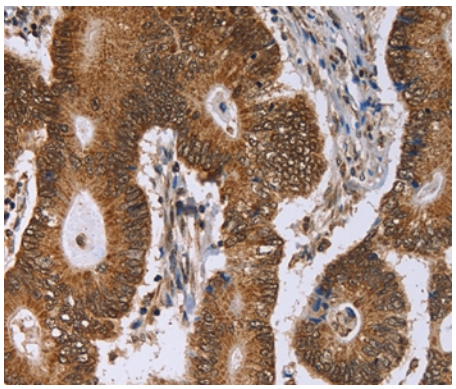
## Application Details

Immunohistochemistry: 1:50-1:200

## Images



Immunohistochemical analysis of paraffin-embedded Human cervical cancer tissue using #36448 at dilution 1/30.



Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue using #36448 at dilution 1/30.

## Background

PICH (Plk1-interacting checkpoint helicase), also known as DNA excision repair protein ERCC-6-like (ERCC6L) or tumor antigen BJ-HCC-15, is a 1,250 amino acid protein belonging to the SNF2/RAD54 helicase family. PICH is a DNA helicase and an essential component of the spindle assembly checkpoint. During mitosis, PICH recruits MAD2 to kinetochores and also regulates the tension on centromic chromatin. PICH is concentrated in between the kinetochores in prometophase cells, while in metaphase it localizes to the thin threads composed of catenated centromeric DNA that stretch between sister kinetochores. PICH is phosphorylated by Plk, which prevents PICH from associating with chromosome arms and restricts the localization of PICH to the kinetochore-centromere region. PICH/Plk interaction is also required for correct Plk localization to the kinetochore. PICH contains one helicase ATP-binding domain, two TPR repeats and one helicase C-terminal domain.

Note: This product is for in vitro research use only