

## Product datasheet

# Anti-Ubiquitin antibody ab58453

### 画像数 1

#### 製品の概要

|              |   |
|--------------|---|
| 製品名          | Anti-Ubiquitin antibody   |
| 製品の詳細        | Rabbit polyclonal to Ubiquitin  |
| 由来種          | Rabbit  |
| 特異性          | Detects endogenous levels of total ubiquitin protein.   |
| アプリケーション     | <b>適用あり:</b> IHC-P, ELISA   |
| 種交差性         | <b>交差種:</b> Human<br><b>交差が予測される動物種:</b> Mouse, Rat   |
| 免疫原          | Synthetic peptide corresponding to Human Ubiquitin (internal sequence). Synthetic peptide derived from internal sequence (around 40-89) of human Ubiquitin. |
| ポジティブ・コントロール | Human breast carcinoma tissue.  |

#### 製品の特性

|        |   |
|--------|---|
| 製品の状態  | Liquid  |
| 保存方法   | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.   |
| バッファー  | Preservative: 0.02% Sodium Azide<br>Constituents: 50% Glycerol, PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 150mM Sodium chloride, pH 7.4 |
| 精製度    | Immunogen affinity purified   |
| ポリ/モノ  | ポリクローナル   |
| アイソタイプ | IgG   |

#### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab58453** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| アプリケーション | Abreviews | 特記事項                                     |
|----------|-----------|--|
| IHC-P    |           | Use at an assay dependent concentration. |

## ターゲット情報

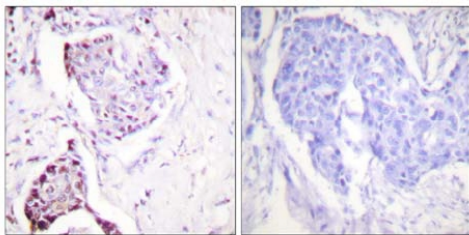
### 関連性

Function: Ubiquitin exists either covalently attached to another protein, or free (unanchored). When covalently bound, it is conjugated to target proteins via an isopeptide bond either as a monomer (monoubiquitin), a polymer linked via different Lys residues of the ubiquitin (polyubiquitin chains) or a linear polymer linked via the initiator Met of the ubiquitin (linear polyubiquitin chains). Polyubiquitin chains, when attached to a target protein, have different functions depending on the Lys residue of the ubiquitin that is linked: Lys-6-linked may be involved in DNA repair; Lys-11-linked is involved in ERAD (endoplasmic reticulum-associated degradation) and in cell-cycle regulation; Lys-29-linked is involved in lysosomal degradation; Lys-33-linked is involved in kinase modification; Lys-48-linked is involved in protein degradation via the proteasome; Lys-63-linked is involved in endocytosis, DNA-damage responses as well as in signaling processes leading to activation of the transcription factor NF-kappa-B. Linear polymer chains formed via attachment by the initiator Met lead to cell signaling. Ubiquitin is usually conjugated to Lys residues of target proteins, however, in rare cases, conjugation to Cys or Ser residues has been observed. When polyubiquitin is free (unanchored-polyubiquitin), it also has distinct roles, such as in activation of protein kinases, and in signaling. Similarity: Belongs to the ubiquitin family. Contains 3 ubiquitin-like domains.

### 細胞内局在

Cell Membrane, Cytoplasmic and Nuclear

## 画像



Peptide - +

Immunohistochemistry (Paraffin-embedded sections)  
- Ubiquitin antibody (ab58453)

Ab58453 at 1/50-1/100 dilution staining human breast carcinoma tissue without and with blocking peptide; paraffin embedded.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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