

Product datasheet

Human FOXP3 peptide ab14151

4 References 1 Image

Overview

Product name Human FOXP3 peptide

Description

Nature Synthetic

Amino Acid Sequence

Species Human

Specifications

Our [Abpromise guarantee](#) covers the use of **ab14151** in the following tested applications.

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

Applications Blocking

Form Liquid

Additional notes This is the immunizing peptide for [ab10563](#).

- First try to dissolve a small amount of peptide in either water or buffer. The more charged residues on a peptide, the more soluble it is in aqueous solutions.
- If the peptide doesn't dissolve try an organic solvent e.g. DMSO, then dilute using water or buffer.
- Consider that any solvent used must be compatible with your assay. If a peptide does not dissolve and you need to recover it, lyophilise to remove the solvent.
- Gentle warming and sonication can effectively aid peptide solubilisation. If the solution is cloudy or has gelled the peptide may be in suspension rather than solubilised.
- Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior to use.

Preparation and Storage

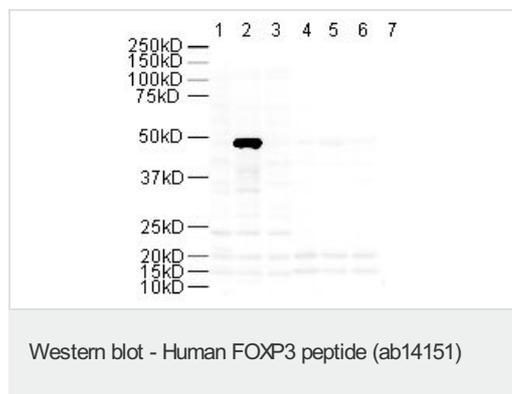
Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Information available upon request.

General Info

Function	Probable transcription factor. Plays a critical role in the control of immune response.
Involvement in disease	Defects in FOXP3 are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX) [MIM:304790]; also known as X-linked autoimmunity-immunodeficiency syndrome. IPEX is characterized by neonatal onset insulin-dependent diabetes mellitus, infections, secretory diarrhea, thrombocytopenia, anemia and eczema. It is usually lethal in infancy.
Sequence similarities	Contains 1 C2H2-type zinc finger. Contains 1 fork-head DNA-binding domain.
Cellular localization	Nucleus.

Images



Western blot using [ab10563](#) at 1/500.

Lane 1: HEK 293 lysate.

Lane 2: HEK 293 lysate over expressing human FOXP3.

Lane 3: HEK 293 lysate over expressing mouse FOXP3.

Lane 4: HEK 293 lysate with FOXP3 peptide ab14151.

Lane 5: HEK 293 lysate over expressing human FOXP3 with FOXP3 peptide ab14151.

Lane 6: HEK 293 lysate over expressing mouse FOXP3 with FOXP3 peptide ab14151.

Lane 7: HEK 293 lysate with secondary antibody control [ab6721](#).

All lanes with [ab10563](#) except lane 7.

Peptide at 1µg/ml.

Secondary antibody: Goat polyclonal to Rabbit IgG (HRP) [ab6721](#) 1/5000.

Exposure time: 30 sec.

Expected molecular weight: 47kD

Lysates at 20µg/lane.

This antibody recognises a single clean band in a HEK293 cell lysate that overexpresses human FOXP3. The band is not seen in untransfected cells and is blocked by the immunising peptide.

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