UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 2)*

ABAXIS Inc

(Name of Issuer)

Common Stock

(Title of Class of Securities)

002567105

(CUSIP Number)

December 31, 2009

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- x Rule 13d-1(b)
- o Rule 13d-1(c)
- o Rule 13d-1(d)

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

^{*} The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

CUSIP 002567105 No. NAMES OF REPORTING PERSONS 1 I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) KAYNE ANDERSON RUDNICK INVESTMENT MANAGEMENT LLC CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) 2 (a) o (b) o SEC USE ONLY 3 CITIZENSHIP OR PLACE OF ORGANIZATION 4 Is a California Limited Liability Company **SOLE VOTING POWER** 5 1,743,638 NUMBER OF SHARED VOTING POWER **SHARES** BENEFICIALLY 6 OWNED BY 0 **EACH** REPORTING SOLE DISPOSITIVE POWER PERSON WITH: 7

SHARED DISPOSITIVE POWER

1,743,638

0

8

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

9 1,743,638

| 10 | CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) |
|----|---|
| | o |
| 11 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) |
| | 7.72% |
| 12 | TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) |
| | IA |
| | FOOTNOTES |
| | |

| Item 1. | | | |
|--------------|------------------|--|---|
| | | (a) | Name of Issuer Abaxis Inc. |
| | (b |)) | Address of Issuer's Principal Executive Offices 3240 Whipple Road Union City, CA 94587 |
| Item 2. | | | |
| | | (a) Ka | Name of Person Filing ayne Anderson Rudnick Investment Management, LLC |
| | (b) | Ad | dress of Principal Business Office or, if none, Residence 1800 Avenue of the Stars, second Floor, Los Angeles, CA 90067 |
| | | (c) | Citizenship Is a California Limited Liability Company |
| | | (d) | Title of Class of Securities Common Stock |
| | | (e) | CUSIP Number 002567105 |
| Item 3. If t | his statement is | s filed pursuant to | §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is |
| | (a) o | Broker o | or dealer registered under section 15 of the Act (15 U.S.C. 78o). |
| | (b) | o l | Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c). |
| (c | e) o | Insurance con | npany as defined in section 3(a)(19) of the Act (15 U.S.C. o78c). |
| (d) o Inv | vestment comp | any registered und | ler section 8 of the Investment Company Act of 1940 (15 U.S.C 80a-8). |
| | (e) | x An | investment adviser in accordance with §240.13d-1(b)(1)(ii)(E); |
| (f) | o An e | employee benefit j | plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F); |
| (g) | o Ap | arent holding com | pany or control person in accordance with § 240.13d-1(b)(1)(ii)(G); |
| (h) o A | savings assoc | iations as defined | in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813); |
| | • | s excluded from the y Act of 1940 (15 | ne definition of an investment company under section 3(c)(14) of the U.S.C. 80a-3); |

| Item 4. | Ownership. | | | | |
|---------|---|--|--|--|--|
| | e following information tified in Item 1. | on regarding the aggregate number and percentage of the class of securities of the | | | |
| | (a) | Amount beneficially owned: 1,743,638 | | | |
| | (1) | Percent of class: 7.72% | | | |
| | (c) | Number of shares as to which the person has: | | | |
| | (i) | Sole power to vote or to direct the vote: 1,743,638 | | | |
| | (ii) | Shared power to vote or to direct the vote: 0 | | | |
| | (iii) | Sole power to dispose or to direct the disposition of: 1,743,638 | | | |
| | (iv) | Shared power to dispose or to direct the disposition of: 0 | | | |
| Item 5. | | Ownership of Five Percent or Less of a Class | | | |
| | _ | report the fact that as of the date hereof the reporting person has ceased to be the ve percent of the class of securities, check the following o. | | | |
| Item 6. | Ownership of More than Five Percent on Behalf of Another Person. | | | | |
| Item 7. | Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company | | | | |
| Item 8. | Identification and Classification of Members of the Group | | | | |
| Item 9. | | Notice of Dissolution of Group | | | |
| | | | | | |

Item Certification 10.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Kayne Anderson Rudnick Investment Management, LLC

Date: February 09, 2010 By: /s/ Jeannine Vanian

Name: Jeannine Vanian

Title: Chief Operating Officer

Footnotes:

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001)